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STATISTICS
&
INPUT-OUTPUT MEASURES
FOR
COLORADO ACADEMIC LIBRARIES
1985

KEITH CURRY LANCE, PROJECT DIRECTOR

LONG RANGE PLANNING FOR LIBRARIES

COLORADO STATE LIBRARY

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&
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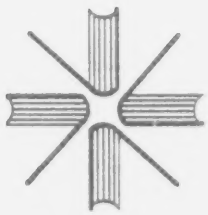

COLORADO STATE LIBRARY
201 East Colfax Avenue
Denver, Colorado 80203

1987

STATISTICS AND INPUT-OUTPUT MEASURES FOR

COLORADO ACADEMIC LIBRARIES 1985

C O N T E N T S

Introduction. ii

STATISTICS AND INPUT-OUTPUT MEASURES FOR
COLORADO ACADEMIC LIBRARIES 1985

Public Doctoral Institutions. 1
Private Doctoral Institutions 1
All Doctoral Institutions 1
Other Public Graduate Institutions. 1

State Community Colleges. 17
District Community Colleges 17
All Community Colleges. 17

Private Four Year Colleges. 33
Seminaries. 33
Other Academic Institutions 33

All Academic Institutions 49

APPENDIX

Higher Education General Information Survey (HEGIS XX) - FY 1985

I N T R O D U C T I O N

This publication is the Library Research Program's first effort to provide Colorado's academic libraries with statistics and input-output measures which may be found useful in planning, budgeting, and promoting awareness. These figures are already being used by the State Library in the development of a new long range plan for library development in Colorado.

In addition, during the next few years, at least two major projects will be under way at the national level to improve data sharing and data use among academic libraries. One is the development of the Integrated Post-secondary Education Data System (IPEDS) and the other is the publication of performance measures for academic libraries by the Association of College and Research Libraries (ACRL).

In FY 1988, the library survey which has been conducted every three years as part of HEGIS will become a quadrennial survey in IPEDS. (Copies of the IPEDS survey form and instructions were sent to all Colorado academic libraries earlier this year.) For the first time, this system will integrate library data with other institutional data collected by the Center for Statistics. In cooperation with the Colorado Commission on Higher Education, the State Library will promote academic library participation in this survey and will validate the data before it is reported to the Center.

Because IPEDS surveys will be even more infrequent than the HEGIS surveys, the State Library will conduct a comparable survey of Colorado academic libraries two years after each IPEDS survey. That will provide up to date figures every two years, instead of every four.

In August 1988, ACRL plans to publish performance measures for academic libraries. At the American Library Association's 1987 Mid-Winter Meetings, the ACRL Committee on Performance Measures reported that a first draft is expected by November 1987. It will be reviewed at and revised following ALA's January 1988 Mid-Winter Meetings and June 1988 Annual Meetings. The product of this project will be the academic counterpart to the forthcoming second edition of Output Measures for Public Libraries. The State Library is keeping up to date on this project and will report on it to academic libraries as news warrants.

In the absence of such measures, this publication reports several inputs and outputs in raw form and per student (FTE enrollment) and per program (counting all degree programs from associate to doctoral levels). Comments from the academic library community on the usefulness of these measures as well as any corrections or recommendations for changes or additions are encouraged and should be directed to Keith Lance, Library Research Program, Colorado State Library, 201 E. Colfax, Denver, CO 80203 (866-6737).

STATISTICS & INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	Regional Library Service System	FTE Student Enrollment	Degree Programs	Branches	Annual Hours Open
PUBLIC DOCTORAL INSTITUTIONS					
Auraria (UC-D, Metro St C, CC-D)	Central Colo	20,190	180	1	6,781
U of Colo Boulder	Central Colo	20,003	162	6	29,600
U of Colo Health Sci Ctr	Central Colo		30	0	4,680
Colorado State University	High Plains	16,979	174	3	916
U of Northern Colorado	High Plains	8,897	131	2	10,414
Colorado School of Mines	Central Colo	2,881	57	0	4,350
Mean		13,790	122	2	9,457
Total		68,950	734	12	56,741
PRIVATE DOCTORAL INSTITUTIONS					
U of Denver	Central Colo	7,276		1	9,000
U of Denver Law	Central Colo			0	5,040
ALL DOCTORAL INSTITUTIONS					
Mean		12,704	122	2	8,848
Total		76,226	734	13	70,781
OTHER PUBLIC GRADUATE INSTITUTIONS					
U of Southern Colorado	Arkansas Valley	4,564	40	0	3,633
Fort Lewis College	Southwest	3,661	24	1	5,400
U of Colo Colo Spgs	Arkansas Valley	3,636	34	0	4,108
Mesa College	Pathfinder	3,101	9	0	3,798
Western State College	Pathfinder	2,566	28	0	3,386
Adams State College	Southwest	2,019	33	0	4,186
Mean		3,258	28	0	4,085
Total		19,547	168	1	24,511

STATISTICS & INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	S FTE Librarians	T A FTE Other Paid Staff	F F FTE Contrib Svcs	I N FTE Student Ass'ts	G TOTAL FTE	FTE Students Per FTE Libns	FTE Students Per Total FTE
PUBLIC DOCTORAL INSTITUTIONS							
Auraria (UC-D, Metro St C, CC-D)	26.5	78.5	0.0	15.8	120.8	762	167
U of Colo Boulder	45.0	96.0	0.0	52.0	193.0	445	104
U of Colo Health Sci Ctr	10.0	24.0	0.0	1.0	35.0		
Colorado State University	40.0	78.0	0.0	41.0	159.0	424	107
U of Northern Colorado	16.8	32.2	0.0	21.6	70.6	530	126
Colorado School of Mines	7.2	9.0	0.0	12.3	28.6	400	101
Mean	24.3	53.0	0.0	24.0	101.2	512	121
Total	145.5	317.7	0.0	143.7	607.0		
PRIVATE DOCTORAL INSTITUTIONS							
U of Denver	14.0	46.0	0.0	12.2	72.2	520	101
U of Denver Law	8.0	8.0	0.0	18.0	34.0		
ALL DOCTORAL INSTITUTIONS							
Mean	20.9	46.5	0.0	21.7	89.2	513	118
Total	167.5	371.7	0.0	173.9	713.2		
OTHER PUBLIC GRADUATE INSTITUTIONS							
U of Southern Colorado	13.0	9.0	0.0	21.0	43.0	351	106
Fort Lewis College	7.0	8.0	0.0	10.0	25.0	523	146
U of Colo Colo Spgs	7.0	6.8	0.0	4.6	18.4	519	198
Mesa College	5.5	6.6	0.0	2.2	14.3	564	217
Western State College	6.0	2.5	0.0	7.5	16.0	428	160
Adams State College	4.0	4.4	0.0	8.0	16.4	505	123
Mean	7.1	6.2	0.0	8.9	22.2	482	158
Total	42.5	37.3	0.0	53.3	133.1		

STATISTICS & INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	STAFF Salaries & Wages	STAFF Fringe Benefits	EXPENDITURES TOTAL	EXPENDITURES Per Student	EXPENDITURES Percent of Total Optg
PUBLIC DOCTORAL INSTITUTIONS					
Auraria (UC-D, Metro St C, CC-D)	$2,184,734	$291,830	$2,476,564	$122.66	0.72
U of Colo Boulder	$2,916,513	$460,378	$3,376,891	$168.82	0.54
U of Colo Health Sci Ctr	$663,332	$109,160	$772,492		0.51
Colorado State University	$2,135,972	$358,050	$2,494,022	$146.89	0.52
U of Northern Colorado	$1,155,289	$170,534	$1,325,823	$149.02	0.61
Colorado School of Mines	$358,118	$68,606	$426,724	$148.12	0.51
Mean	$1,568,993	$243,093	$1,812,086	$147.10	0.57
Total	$9,413,958	$1,458,558	$10,872,516		
PRIVATE DOCTORAL INSTITUTIONS					
U of Denver	$755,726	$166,260	$921,986	$126.72	0.44
U of Denver Law	$191,866	$42,210	$234,076		0.44
ALL DOCTORAL INSTITUTIONS					
Mean	$1,295,194	$208,379	$1,503,572	$143.70	0.56
Total	$10,361,550	$1,667,028	$12,028,578		
OTHER PUBLIC GRADUATE INSTITUTIONS					
U of Southern Colorado	$470,799	$61,998	$532,797	$116.74	0.70
Fort Lewis College	$272,231	$46,872	$319,103	$87.16	0.56
U of Colo Colo Spgs	$307,125	$40,396	$347,521	$95.58	0.42
Mesa College	$266,927	$44,768	$311,695	$100.51	0.58
Western State College	$197,054	$37,013	$234,067	$91.22	0.55
Adams State College	$179,324	$33,673	$212,997	$105.50	0.57
Mean	$282,243	$44,120	$326,363	$99.45	0.56
Total	$1,693,460	$264,720	$1,958,180		

STATISTICS & INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	MATERIALS EXPENDITURES						
	Print Materials	Serial Subscriptions	Microform	Computer Software	Audio-Visual	Other	Binding/ Rebinding
PUBLIC DOCTORAL INSTITUTIONS							
Auraria (UC-D, Metro St C, CC-D)	$267,712	$171,208	$47,690	$6,436	$34,125	$0	$16,193
U of Colo Boulder	$697,047	$1,324,154	$120,867	$300	$10,817	$70,607	$121,908
U of Colo Health Sci Ctr	$92,672	$258,890	$0	$0	$3,312	$0	$24,100
Colorado State University	$478,421	$756,915	$2,565	$0	$0	$129	$75,000
U of Northern Colorado	$296,302	$304,670	$30,802	$1,784	$15,258	$0	$28,158
Colorado School of Mines	$46,670	$222,609	$7,447	$0	$0	$959	$9,562
Mean	$313,137	$506,408	$34,895	$1,420	$10,585	$11,949	$45,820
Total	$1,878,824	$3,038,446	$209,371	$8,520	$63,512	$71,695	$274,921
PRIVATE DOCTORAL INSTITUTIONS							
U of Denver	$342,631	$521,027	$33,188	$0	$0	$0	$47,445
U of Denver Law	$20,489	$221,512	$13,812	$0	$417	$17,871	$5,368
ALL DOCTORAL INSTITUTIONS							
Mean	$280,243	$472,623	$32,046	$1,065	$7,991	$11,196	$40,967
Total	$2,241,944	$3,780,985	$256,371	$8,520	$63,929	$89,566	$327,734
OTHER PUBLIC GRADUATE INSTITUTIONS							
U of Southern Colorado	$70,322	$105,721	$0	$0	$20,389	$0	$10,000
Fort Lewis College	$72,796	$94,047	$1,546	$0	$21,636	$2,381	$5,000
U of Colo Colo Spgs	$195,730	$181,850	$2,553	$1,275	$0	$0	$13,787
Mesa College	$92,359	$56,840	$13,840	$250	$11,782	$382	$7,855
Western State College	$50,713	$66,539	$3,553	$5,190	$2,647	$20,412	$560
Adams State College	$54,554	$29,986	$7,820	$5,707	$27,980	$5,530	$6,262
Mean	$89,412	$89,164	$4,885	$2,070	$14,072	$4,784	$7,244
Total	$536,474	$534,983	$29,312	$12,422	$84,434	$28,705	$43,464

STATISTICS & INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	MATERIALS EXPENDITURES TOTAL	Per Student	Percent of Total Optg
PUBLIC DOCTORAL INSTITUTIONS			
Auraria (UC-D, Metro St C, CC-D)	$543,364	$26.91	0.16
U of Colo Boulder	$2,345,700	$117.27	0.38
U of Colo Health Sci Ctr	$378,974		0.25
Colorado State University	$1,313,030	$77.33	0.27
U of Northern Colorado	$676,974	$76.09	0.31
Colorado School of Mines	$287,247	$99.70	0.34
Mean	$924,215	$79.46	0.29
Total	$5,545,289		
PRIVATE DOCTORAL INSTITUTIONS			
U of Denver	$944,291	$129.78	0.45
U of Denver Law	$279,469		0.53
ALL DOCTORAL INSTITUTIONS			
Mean	$846,131	$87.85	0.31
Total	$6,769,049		
OTHER PUBLIC GRADUATE INSTITUTIONS			
U of Southern Colorado	$206,432	$45.23	0.27
Fort Lewis College	$197,406	$53.92	0.34
U of Colo Colo Spgs	$395,195	$108.69	0.48
Mesa College	$183,308	$59.11	0.34
Western State College	$149,614	$58.31	0.35
Adams State College	$137,839	$68.27	0.37
Mean	$211,632	$65.59	0.36
Total	$1,269,794		

STATISTICS & INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	MISCELLANEOUS EXPENDITURES Equipment	Other Operating	TOTAL	Per Student	Percent of Total Optg
PUBLIC DOCTORAL INSTITUTIONS					
Auraria (UC-D, Metro St C, CC-D)	$75,817	$312,219	$388,036	$19.22	0.11
U of Colo Boulder	$80,000	$430,000	$510,000	$25.50	0.08
U of Colo Health Sci Ctr	$19,902	$353,637	$373,539		0.24
Colorado State University	$6,757	$1,023,285	$1,030,042	$60.67	0.21
U of Northern Colorado	$16,404	$158,493	$174,897	$19.66	0.08
Colorado School of Mines	$8,990	$116,466	$125,456	$43.55	0.15
Mean	$34,645	$399,017	$433,662	$33.72	0.14
Total	$207,870	$2,394,100	$2,601,970		
PRIVATE DOCTORAL INSTITUTIONS					
U of Denver	$21,706	$187,504	$209,210	$28.75	0.10
U of Denver Law	$6,790	$5,809	$12,599		0.02
ALL DOCTORAL INSTITUTIONS					
Mean	$29,546	$323,427	$352,972	$32.89	0.13
Total	$236,366	$2,587,413	$2,823,779		
OTHER PUBLIC GRADUATE INSTITUTIONS					
U of Southern Colorado	$3,499	$14,798	$18,297	$4.01	0.02
Fort Lewis College	$5,458	$51,659	$57,117	$15.60	0.10
U of Colo Colo Spgs	$5,356	$80,746	$86,102	$23.68	0.10
Mesa College	$7,362	$35,960	$43,322	$13.97	0.08
Western State College	$2,100	$39,636	$41,736	$16.27	0.10
Adams State College	$12,176	$9,404	$21,580	$10.69	0.06
Mean	$5,992	$38,701	$44,692	$14.04	0.08
Total	$35,951	$232,203	$268,154		

STATISTICS & INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	TOTAL OPERATING EXPENDITURES	Total Optg Expend Per Student	SELECTED EXPENDITURES				
			Postage	Telecomm	Computer Services	Database Searching	Computer Hardware
PUBLIC DOCTORAL INSTITUTIONS							
Auraria (UC-D, Metro St C, CC-D)	$3,458,476	$171.30	$9,364	$14,000	$98,114	$75,879	$27,109
U of Colo Boulder	$6,232,591	$311.58	$25,000	$39,133	$230,000	$0	$70,000
U of Colo Health Sci Ctr	$1,525,005		$3,087	$15,600	$13,495	$42,677	$19,902
Colorado State University	$4,837,097	$284.89	$20,288	$14,375	$135,862	$18,155	$433,183
U of Northern Colorado	$2,177,694	$244.77	$0	$0	$98,410	$0	$16,404
Colorado School of Mines	$839,427	$291.37	$2,047	$2,754	$77,317	$10,307	$5,432
Mean	$3,178,382	$260.78	$9,964	$14,310	$108,866	$24,503	$95,338
Total	$19,070,290		$59,786	$85,862	$653,198	$147,018	$572,030
PRIVATE DOCTORAL INSTITUTIONS							
U of Denver	$2,075,487	$285.25	$4,716	$2,869	$134,003	$7,765	$21,706
U of Denver Law	$526,144		$0	$0	$10,000	$7,871	$10,000
ALL DOCTORAL INSTITUTIONS							
Mean	$2,708,990	$264.86	$8,063	$11,091	$99,650	$20,332	$75,467
Total	$21,671,921		$64,502	$88,731	$797,201	$162,654	$603,736
OTHER PUBLIC GRADUATE INSTITUTIONS							
U of Southern Colorado	$757,526	$165.98	$1,420	$250	$16,000	$4,000	$3,000
Fort Lewis College	$573,626	$156.69	$1,702	$7,330	$45,066	$2,797	$0
U of Colo Colo Spgs	$828,818	$227.95	$3,227	$3,279	$30,812	$7,445	$0
Mesa College	$538,325	$173.60	$1,641	$866	$36,819	$603	$9,750
Western State College	$425,417	$165.79	$0	$5,954	$18,312	$2,100	$0
Adams State College	$372,416	$184.46	$79	$800	$0	$3,209	$10,841
Mean	$582,688	$179.08	$1,345	$3,080	$24,502	$3,359	$3,932
Total	$3,496,128		$8,069	$18,479	$147,009	$20,154	$23,591

STATISTICS & INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	Print Volumes Added 85	Print Volumes Held 85	Print Volumes Per Progm	Print Volumes Per Student	Print Titles Added 85	Print Titles Held 85
PUBLIC DOCTORAL INSTITUTIONS						
Auraria (UC-D, Metro St C, CC-D)	24,377	502,849	2,794	25	18,915	350,248
U of Colo Boulder	47,491	2,051,953	12,666	103		750,000
U of Colo Health Sci Ctr	5,289	188,227	6,274		5,289	188,227
Colorado State University	54,287	1,544,118	8,874	91	12,698	426,736
U of Northern Colorado	16,658	520,283	3,972	58		
Colorado School of Mines	2,406	114,393	2,007	40	2,158	
Mean	25,085	820,304	6,098	63	9,765	428,803
Total	150,508	4,921,823			39,060	1,715,211
PRIVATE DOCTORAL INSTITUTIONS						
U of Denver	65,666	1,464,731		201		
U of Denver Law	3,924	136,840			1,237	33,685
ALL DOCTORAL INSTITUTIONS						
Mean	27,512	815,424	6,098	86	8,059	349,779
Total	220,098	6,523,394			40,297	1,748,896
OTHER PUBLIC GRADUATE INSTITUTIONS						
U of Southern Colorado	16,214	467,184	11,680	102	2,430	139,891
Fort Lewis College	3,626	159,047	6,627	43	3,000	125,000
U of Colo Colo Spgs	13,215	186,897	5,497	51	6,371	133,918
Mesa College	8,183	126,239	14,027	41	6,222	102,466
Western State College	4,108	109,850	3,923	43	2,778	88,980
Adams State College	5,116	197,673	5,990	98	4,527	101,258
Mean	8,410	207,815	7,957	63	4,221	115,252
Total	50,462	1,246,890			25,328	691,513

STATISTICS & INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	Govt Publ Titles		Serial Titles	
	Added 85	Held 85	Held 85	Per Progm
PUBLIC DOCTORAL INSTITUTIONS				
Auraria (UC-D, Metro St C, CC-D)	2,166	12,414	6,394	36
U of Colo Boulder	380		22,486	139
U of Colo Health Sci Ctr	0	0	2,145	72
Colorado State University	9,560	166,139	17,390	100
U of Northern Colorado			4,497	34
Colorado School of Mines	2,040	60,451	2,750	48
Mean	2,829	59,751	9,277	71
Total	14,146	239,004	55,662	
PRIVATE DOCTORAL INSTITUTIONS				
U of Denver	36,536	471,044	9,364	
U of Denver Law	427	4,112	2,186	
ALL DOCTORAL INSTITUTIONS				
Mean	7,301	119,027	8,402	71
Total	51,109	714,160	67,212	
OTHER PUBLIC GRADUATE INSTITUTIONS				
U of Southern Colorado	200	200,000	1,516	38
Fort Lewis College	20	500	1,022	43
U of Colo Colo Spgs	0	0	1,950	57
Mesa College	360	8,499	791	88
Western State College	0	0	956	34
Adams State College	10,141	260,252	508	15
Mean	1,787	78,209	1,124	46
Total	10,721	469,251	6,743	

STATISTICS AND INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	Microform Titles		Microform Units		MS/Archives Linear Feet	
	Added 85	Held 85	Added 85	Held 85	Added 85	Held 85
PUBLIC DOCTORAL INSTITUTIONS						
Auraria (UC-D, Metro St C, CC-D)	6,475	2,103,020	15,141	356,305	75	776
U of Colo Boulder			166,051	2,810,799	343	15,308
U of Colo Health Sci Ctr	0	0	0	0	0	0
Colorado State University	271,088	1,210,054	156,500	1,076,799	40	3,820
U of Northern Colorado			62,121	730,629	0	1,420
Colorado School of Mines	11,500	52,702	6,112	51,044	20	350
Mean	72,266	841,444	67,654	837,596	80	3,612
Total	289,063	3,365,776	405,925	5,025,576	478	21,674
PRIVATE DOCTORAL INSTITUTIONS						
U of Denver			61,305	726,652	1,000	4,000
U of Denver Law	2,828	42,559	15,264	245,669	0	0
ALL DOCTORAL INSTITUTIONS						
Mean	58,378	681,667	60,312	749,737	185	3,209
Total	291,891	3,408,335	482,494	5,997,897	1,478	25,674
OTHER PUBLIC GRADUATE INSTITUTIONS						
U of Southern Colorado	2	184	1,106	56,330	3	93
Fort Lewis College	61	30,600	61	30,600	5	300
U of Colo Colo Spgs		805	33,079	197,816	0	0
Mesa College	22	566	7,834	74,678	71	828
Western State College	12,599	70,416	50,471	455,718	10	80
Adams State College	15,933	259,942	42,034	453,013	0	0
Mean	5,723	60,419	22,431	211,359	15	217
Total	28,617	362,513	134,585	1,268,155	89	1,301

STATISTICS & INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	Cartographic Mat'ls Units		Graphic Mat'ls Units	
	Added 85	Held 85	Added 85	Held 85
PUBLIC DOCTORAL INSTITUTIONS				
Auraria (UC-D, Metro St C, CC-D)	109	2,500	1	12,282
U of Colo Boulder	32,037	137,072	20,000	165,814
U of Colo Health Sci Ctr	0	0	0	0
Colorado State University	1,813	30,826	79	1,899
U of Northern Colorado	1,579	38,158	33	2,252
Colorado School of Mines	4,563	132,920	0	0
Mean	6,684	56,913	3,352	30,375
Total	40,101	341,476	20,113	182,247
PRIVATE DOCTORAL INSTITUTIONS				
U of Denver	0	0	0	0
U of Denver Law	0	0	0	0
ALL DOCTORAL INSTITUTIONS				
Mean	5,013	42,685	2,514	22,781
Total	40,101	341,476	20,113	182,247
OTHER PUBLIC GRADUATE INSTITUTIONS				
U of Southern Colorado	260	10,532	1	19
Fort Lewis College	550	5,000	25	1,150
U of Colo Colo Spgs	954	5,476	0	0
Mesa College	44	2,734	0	26
Western State College	0	50	10	258
Adams State College	36	1,434	87	2,411
Mean	307	4,204	21	644
Total	1,844	25,226	123	3,864

STATISTICS & INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	Audio Titles		Film Titles		Video Titles		Other Titles	
	Added 85	Held 85	Added 85	Held 85	Added 85	Held 85	Added 85	Held 85
PUBLIC DOCTORAL INSTITUTIONS								
Auraria (UC-D, Metro St C, CC-D)	427	6,364	8	433	84	424	13	1,013
U of Colo Boulder	0	40,000	0	0	10	140	0	30,000
U of Colo Health Sci Ctr	0	0	0	0	27	1,313	0	0
Colorado State University	0	0	0	0	0	0	0	94
U of Northern Colorado	182	4,309	0	2	2	302	12	4,304
Colorado School of Mines	24	173	4	9	0	4	0	16
Mean	106	8,474	2	74	21	364	4	5,905
Total	633	50,846	12	444	123	2,183	25	35,427
PRIVATE DOCTORAL INSTITUTIONS								
U of Denver	0	0	0	0	0	0	38	8,954
U of Denver Law	0	0	0	0	0	0	0	0
ALL DOCTORAL INSTITUTIONS								
Mean	79	6,356	2	56	15	273	8	5,548
Total	633	50,846	12	444	123	2,183	63	44,381
OTHER PUBLIC GRADUATE INSTITUTIONS								
U of Southern Colorado	413	7,212	24	406	57	187	24	439
Fort Lewis College	30	3,262	15	790	130	398	0	0
U of Colo Colo Spgs	17	1,450	0	0	0	0	4	4
Mesa College	229	1,568	15	222	46	112	2,067	8,618
Western State College	53	3,717	1	248	42	72	0	20
Adams State College	19	2,448	28	410	44	73	0	0
Mean	127	3,276	14	346	53	140	349	1,514
Total	761	19,657	83	2,076	319	842	2,095	9,081

STATISTICS & INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	ANNUAL CIRCULATION				Turnover Rate (Reg Circ/ Print Vols)
	Regular	Reserve	Total	Per Student	
PUBLIC DOCTORAL INSTITUTIONS					
Auraria (UC-D, Metro St C, CC-D)	185,285	17,909	203,194	10	0.37
U of Colo Boulder			698,084	35	0.00
U of Colo Health Sci Ctr	57,355	24,250	81,605		0.30
Colorado State University	295,796	62,275	358,071	21	0.19
U of Northern Colorado	97,029	28,840	125,869	14	0.19
Colorado School of Mines	35,458	27,303	62,761	22	0.31
Mean	134,185	32,115	166,300	12	0.23
Total	670,923	160,577	1,529,584		
PRIVATE DOCTORAL INSTITUTIONS					
U of Denver	336,685	27,234	363,919	50	0.23
U of Denver Law	0	0	0		0.00
ALL DOCTORAL INSTITUTIONS					
Mean	143,944	26,830	236,688	25	0.20
Total	1,007,608	187,811	1,893,503		
OTHER PUBLIC GRADUATE INSTITUTIONS					
U of Southern Colorado	35,853	11,639	47,492	10	0.08
Fort Lewis College	43,632	17,865	61,497	17	0.27
U of Colo Colo Spgs	50,971		50,971	14	0.27
Mesa College	33,183	6,870	40,053	13	0.26
Western State College	42,488	8,755	51,243	20	0.39
Adams State College	49,947	2,662	52,609	26	0.25
Mean	42,679	9,558	52,237	16	0.25
Total	256,074	47,791	303,865		

STATISTICS & INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	ANNUAL INTERLIBRARY LOAN		ILLs Rcvd Per 100 Gen'l Circulation	ILLs Provided/ Received
	Provided	Received		
PUBLIC DOCTORAL INSTITUTIONS				
Auraria (UC-D, Metro St C, CC-D)	5,684	1,994	1	2.85
U of Colo Boulder	12,204	7,457		1.64
U of Colo Health Sci Ctr	13,038	1,838	3	7.09
Colorado State University	10,257	8,188	3	1.25
U of Northern Colorado	6,561	3,897	4	1.68
Colorado School of Mines	2,805	1,087	3	2.58
Mean	8,425	4,077	3	2.85
Total	50,549	24,461		
PRIVATE DOCTORAL INSTITUTIONS				
U of Denver	6,770	2,751	1	2.46
U of Denver Law	134	30		4.47
ALL DOCTORAL INSTITUTIONS				
Mean	7,182	3,405	2	3.00
Total	57,453	27,242		
OTHER PUBLIC GRADUATE INSTITUTIONS				
U of Southern Colorado	3,135	1,002	3	3.13
Fort Lewis College	682	582	1	1.17
U of Colo Colo Spgs	3,243	3,283	6	0.99
Mesa College	2,372	766	2	3.10
Western State College	2,219	720	2	3.08
Adams State College	119	990	2	0.12
Mean	1,962	1,224	3	1.93
Total	11,770	7,343		

STATISTICS & INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	P E R Hours Open	Atten-dance	T Y P I C A L In-Library Use	Reference Transactions	W E E K Directional Transactions	Database Searches
PUBLIC DOCTORAL INSTITUTIONS						
Auraria (UC-D, Metro St C, CC-D)	90	16,115	3,554	1,100	1,500	21
U of Colo Boulder	106	79,723	36,150	4,708	3,701	104
U of Colo Health Sci Ctr	90	4,460	4,234	323	298	61
Colorado State University	85	26,283	8,312	2,087	225	200
U of Northern Colorado	101	16,170	2,514	846	5	29
Colorado School of Mines	110	6,170	761	239	66	13
Mean	97	24,820	9,254	1,551	966	71
Total	581	148,921	55,525	9,303	5,795	428
PRIVATE DOCTORAL INSTITUTIONS						
U of Denver	100	9,263	2,911	415	326	10
U of Denver Law	77					0
ALL DOCTORAL INSTITUTIONS						
Mean	95	22,598	8,348	1,388	874	55
Total	758	158,184	58,436	9,718	6,121	438
OTHER PUBLIC GRADUATE INSTITUTIONS						
U of Southern Colorado	87	1,400	1,025	174	260	7
Fort Lewis College	86	3,000		400	200	5
U of Colo Colo Spgs	79	10,155		300	250	25
Mesa College	76	5,306	423	447	377	4
Western State College	79	4,750	1,611	410	320	9
Adams State College	85	1,943	1,121	261	200	2
Mean	82	4,426	1,045	332	268	9
Total	492	26,554	4,180	1,992	1,607	52

STATISTICS & INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	P E R S T U D E N T (A N N U A L)				
	Attendance	In-Library Use	Reference Transactions	Directional Transactions	Database Searches
PUBLIC DOCTORAL INSTITUTIONS					
Auraria (UC-D, Metro St C, CC-D)	40	9	3	4	0.05
U of Colo Boulder	199	90	12	9	0.26
U of Colo Health Sci Ctr					
Colorado State University	77	24	6	1	0.59
U of Northern Colorado	91	14	5	0	0.16
Colorado School of Mines	107	13	4	1	0.23
Mean	103	30	6	3	0.26
Total					
PRIVATE DOCTORAL INSTITUTIONS					
U of Denver	64	20	3	2	0.07
U of Denver Law		.			
ALL DOCTORAL INSTITUTIONS					
Mean	96	28	5	3	0.23
Total					
OTHER PUBLIC GRADUATE INSTITUTIONS					
U of Southern Colorado	15	11	2	3	0.08
Fort Lewis College	41		5	3	0.07
U of Colo Colo Spgs	140		4	3	0.34
Mesa College	86	7	7	6	0.06
Western State College	93	31	8	6	0.18
Adams State College	48	28	6	5	0.05
Mean	70	19	6	4	0.13
Total					

STATISTICS & INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	Regional Library Service System	FTE Student Enrollment	Degree Programs	Branches	Annual Hours Open
STATE COMMUNITY COLLEGES					
Pikes Peak CC	Plains & Peaks	4,014	68	0	3,706
Arapahoe CC	Central Colo	3,050	48	1	3,362
Front Range CC	Central Colo	2,960	62	0	2,774
Red Rocks CC	Central Colo	2,446	51	0	2,629
Pueblo CC	Arkansas Valley	1,287	36	1	3,566
Trinidad State Jr College	Arkansas Valley	1,033	30	0	2,210
Otero CC	Arkansas Valley	556	19	0	2,661
Lamar CC	Arkansas Valley	401	15	0	2,383
Morgan CC	High Plains	348	22	0	3,764
Mean		1,788	39	0	3,006
Total		16,095	351	2	27,055
DISTRICT COMMUNITY COLLEGES					
Aims CC	High Plains	3,158	39	0	2,958
Colorado Mt College	Three Rivers	2,541	28	3	9,890
Northeastern CC	High Plains	1,719	40	0	3,410
Colo Northwestern CC	Three Rivers	588	17	0	3,199
Mean		2,002	31	1	4,864
Total		8,006	124	3	19,457
ALL COMMUNITY COLLEGES					
Mean		1,854	37	0	3,578
Total		24,101	475	5	46,512

STATISTICS & INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	S FTE Librarians	T A FTE Other Paid Staff	F F FTE Contrib Svcs	I N FTE Student Ass'ts	G TOTAL FTE	FTE Students Per FTE Libns	FTE Students Per Total FTE
STATE COMMUNITY COLLEGES							
Pikes Peak CC	4.3	10.9	0.0	5.5	20.7	933	194
Arapahoe CC	1.7	6.6	0.0	2.0	10.3	1,794	296
Front Range CC	1.8	12.1	0.0	2.2	16.0	1,644	185
Red Rocks CC	0.8	6.0	0.0	5.4	12.2	3,058	200
Pueblo CC	1.0	2.0	0.0	1.0	4.0	1,287	322
Trinidad State Jr College	1.0	1.2	0.0	0.1	2.3	1,033	449
Otero CC	1.0	2.0	0.0	0.2	3.2	556	174
Lamar CC	1.0	1.1	0.0	0.0	2.1	401	191
Morgan CC	1.0	1.0	0.0	0.7	2.7	348	129
Mean	1.5	4.8	0.0	1.9	8.2	1,228	238
Total	13.6	42.9	0.0	17.1	73.5		
DISTRICT COMMUNITY COLLEGES							
Aims CC	1.0	3.5	0.0	1.8	6.2	3,158	509
Colorado Mt College	1.8	6.5	0.0	3.5	11.8	1,412	215
Northeastern CC	1.0	9.0	0.0	3.0	13.0	1,719	132
Colo Northwestern CC	0.9	2.2	0.0	0.3	3.5	639	168
Mean	1.2	5.3	0.0	2.2	8.6	1,732	256
Total	4.7	21.2	0.0	8.6	34.5		
ALL COMMUNITY COLLEGES							
Mean	1.4	4.9	0.0	2.0	8.3	1,383	243
Total	18.3	64.1	0.0	25.7	108.0	17,982	

STATISTICS & INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	S T A F F Salaries & Wages	Fringe Benefits	E X P E N D I T U R E S TOTAL	Per Student	Percent of Total Optg
STATE COMMUNITY COLLEGES					
Pikes Peak CC	$286,764	$45,581	$332,345	$82.80	0.80
Arapahoe CC	$258,146	$35,260	$293,406	$96.20	0.73
Front Range CC	$322,328	$48,334	$370,662	$125.22	0.82
Red Rocks CC	$185,742	$27,969	$213,711	$87.37	0.68
Pueblo CC	$78,124	$11,877	$90,001	$69.93	0.72
Trinidad State Jr College	$46,324	$9,557	$55,881	$54.10	0.67
Otero CC	$68,230	$10,764	$78,994	$142.08	0.82
Lamar CC	$36,910	$5,440	$42,350	$105.61	0.69
Morgan CC	$48,096	$6,604	$54,700	$157.18	0.83
Mean	$147,852	$22,376	$170,228	$102.28	0.76
Total	$1,330,664	$201,386	$1,532,050		
DISTRICT COMMUNITY COLLEGES					
Aims CC	$72,103	$16,471	$88,574	$28.05	0.65
Colorado Mt College	$134,160	$33,543	$167,703	$66.00	0.61
Northeastern CC	$74,423	$18,582	$93,005	$54.10	0.66
Colo Northwestern CC	$55,818	$11,606	$67,424	$114.67	0.65
Mean	$84,126	$20,051	$104,177	$65.70	0.64
Total	$336,504	$80,202	$416,706		
ALL COMMUNITY COLLEGES					
Mean	$128,244	$21,661	$149,904	$91.02	0.73
Total	$1,667,168	$281,588	$1,948,756		

STATISTICS & INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	MATERIALS EXPENDITURES						
	Print Materials	Serial Sub-scriptions	Microform	Computer Software	Audio-Visual	Other	Binding/ Rebinding
STATE COMMUNITY COLLEGES							
Pikes Peak CC	$30,022	$15,501	$20	$2,033	$1,071	$5,278	$0
Arapahoe CC	$34,061	$18,666	$10,261	$0	$7,806	$0	$3,464
Front Range CC	$13,129	$10,560	$2,728	$455	$1,065	$11,994	$0
Red Rocks CC	$25,581	$26,339	$637	$63	$17,000	$12,919	$1,407
Pueblo CC	$10,041	$7,110	$872	$0	$704	$0	$20
Trinidad State Jr College	$15,161	$5,645	$816	$0	$0	$0	$2,060
Otero CC	$4,556	$7,035	$620	$0	$0	$0	$1,800
Lamar CC	$7,421	$6,020	$0	$0	$673	$0	$90
Morgan CC	$4,904	$2,720	$0	$0	$769	$0	$132
Mean	$16,097	$11,066	$1,773	$283	$3,232	$3,355	$997
Total	$144,876	$99,596	$15,954	$2,551	$29,088	$30,191	$8,973
DISTRICT COMMUNITY COLLEGES							
Aims CC	$8,073	$26,880	$5,404	$0	$66	$0	$34
Colorado Mt College	$48,000	$17,200	$9,800	$4,100	$7,700	$4,700	$200
Northeastern CC	$17,520	$11,468	$2,994	$0	$2,349	$72	$879
Colo Northwestern CC	$15,211	$6,012	$928	$0	$4,880	$4,766	$0
Mean	$22,201	$15,390	$4,782	$1,025	$3,749	$2,385	$278
Total	$88,804	$61,560	$19,126	$4,100	$14,995	$9,538	$1,113
ALL COMMUNITY COLLEGES							
Mean	$17,975	$12,397	$2,698	$512	$3,391	$3,056	$776
Total	$233,680	$161,156	$35,080	$6,651	$44,083	$39,729	$10,086

STATISTICS & INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	MATERIALS EXPENDITURES TOTAL	Per Student	Percent of Total Optg
STATE COMMUNITY COLLEGES			
Pikes Peak CC	$53,925	$13.43	0.13
Arapahoe CC	$74,258	$24.35	0.18
Front Range CC	$39,931	$13.49	0.09
Red Rocks CC	$83,946	$34.32	0.27
Pueblo CC	$18,747	$14.57	0.15
Trinidad State Jr College	$23,682	$22.93	0.28
Otero CC	$14,011	$25.20	0.14
Lamar CC	$14,204	$35.42	0.23
Morgan CC	$8,525	$24.50	0.13
Mean	$36,803	$23.13	0.16
Total	$331,229		
DISTRICT COMMUNITY COLLEGES			
Aims CC	$40,457	$12.81	0.30
Colorado Mt College	$91,700	$36.09	0.33
Northeastern CC	$35,282	$20.52	0.25
Colo Northwestern CC	$31,797	$54.08	0.31
Mean	$49,809	$30.88	0.30
Total	$199,236		
ALL COMMUNITY COLLEGES			
Mean	$40,805	$25.52	0.20
Total	$530,465		

STATISTICS & INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	MISCELLANEOUS EXPENDITURES Equipment	Other Operating	TOTAL	Per Student	Percent of Total Optg
STATE COMMUNITY COLLEGES					
Pikes Peak CC	$1,207	$27,282	$28,489	$7.10	0.07
Arapahoe CC	$5,058	$30,695	$35,753	$11.72	0.09
Front Range CC	$4,638	$39,052	$43,690	$14.76	0.10
Red Rocks CC	$0	$15,271	$15,271	$6.24	0.05
Pueblo CC	$5,671	$10,012	$15,683	$12.19	0.13
Trinidad State Jr College	$1,154	$3,233	$4,387	$4.25	0.05
Otero CC	$919	$2,940	$3,859	$6.94	0.04
Lamar CC	$3,251	$1,978	$5,229	$13.04	0.08
Morgan CC	$0	$2,855	$2,855	$8.20	0.04
Mean	$2,433	$14,813	$17,246	$9.38	0.08
Total	$21,898	$133,318	$155,216		
DISTRICT COMMUNITY COLLEGES					
Aims CC	$632	$5,878	$6,510	$2.06	0.05
Colorado Mt College	$6,600	$8,992	$15,592	$6.14	0.06
Northeastern CC	$7,650	$4,372	$12,022	$6.99	0.09
Colo Northwestern CC	$4,089	$0	$4,089	$6.95	0.04
Mean	$4,743	$4,811	$9,553	$5.54	0.06
Total	$18,971	$19,242	$38,213		
ALL COMMUNITY COLLEGES					
Mean	$3,144	$11,735	$14,879	$8.20	0.07
Total	$40,869	$152,560	$193,429		

STATISTICS & INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	TOTAL OPERATING EXPENDITURES	Total Optg Expend Per Student	SELECTED EXPENDITURES				
			Postage	Telecomm	Computer Services	Database Searching	Computer Hardware
STATE COMMUNITY COLLEGES							
Pikes Peak CC	$414,759	$103.33	$1,045	$2,738	$5,278	$54	$0
Arapahoe CC	$403,417	$132.27	$563	$5,752	$11,803	$0	$0
Front Range CC	$454,283	$153.47	$1,768	$2,574	$10,140	$705	$1,991
Red Rocks CC	$312,928	$127.93	$663	$2,700	$9,424	$411	$100
Pueblo CC	$124,430	$96.68	$174	$670	$500	$0	$0
Trinidad State Jr College	$83,950	$81.27	$0	$0	$0	$0	$0
Otero CC	$96,864	$174.22	$0	$0	$0	$0	$0
Lamar CC	$61,783	$154.07	$113	$0	$0	$0	$0
Morgan CC	$66,080	$189.89	$0	$0	$0	$0	$0
Mean	$224,277	$134.79	$481	$1,604	$4,127	$130	$232
Total	$2,018,494		$4,326	$14,434	$37,145	$1,170	$2,091
DISTRICT COMMUNITY COLLEGES							
Aims CC	$135,541	$42.92	$368	$0	$0	$0	$0
Colorado Mt College	$275,004	$108.23	$0	$1,800	$1,950	$2,688	$4,450
Northeastern CC	$140,309	$81.62	$0	$0	$0	$0	$2,204
Colo Northwestern CC	$103,310	$175.70	$0	$0	$0	$0	$506
Mean	$163,541	$102.12	$92	$450	$488	$672	$1,790
Total	$654,164		$368	$1,800	$1,950	$2,688	$7,160
ALL COMMUNITY COLLEGES							
Mean	$205,589	$124.74	$361	$1,249	$3,007	$297	$712
Total	$2,672,658		$4,694	$16,234	$39,095	$3,858	$9,251

STATISTICS & INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	Print Volumes Added 85	Print Volumes Held 85	Print Volumes Per Progm	Print Volumes Per Student	Print Titles Added 85	Print Titles Held 85
STATE COMMUNITY COLLEGES						
Pikes Peak CC	1,100	37,577	553	9	769	30,500
Arapahoe CC	2,190	41,298	860	14	1,408	36,699
Front Range CC	832	44,181	713	15	812	39,051
Red Rocks CC	1,179	46,856	919	19	1,181	42,968
Pueblo CC	863	8,407	234	7	786	7,627
Trinidad State Jr College	1,211	71,327	2,378	69	1,211	71,327
Otero CC	117	31,238	1,644	56	93	23,406
Lamar CC	268	23,136	1,542	58	228	20,907
Morgan CC	780	12,528	569	36	631	12,379
Mean	949	35,172	1,046	31	791	31,652
Total	8,540	316,548			7,119	284,864
DISTRICT COMMUNITY COLLEGES						
Aims CC	912	38,993	1,000	12	780	31,171
Colorado Mt College	2,396	62,899	2,246	25	1,825	60,447
Northeastern CC	1,171	48,431	1,211	28	1,171	48,431
Colo Northwestern CC	538	16,357	962	28	561	17,379
Mean	1,254	41,670	1,355	23	1,084	39,357
Total	5,017	166,680			4,337	157,428
ALL COMMUNITY COLLEGES						
Mean	1,043	37,171	1,141	29	881	34,022
Total	13,557	483,228			11,456	442,292

STATISTICS & INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	Govt Publ Titles		Serial Titles	
	Added 85	Held 85	Held 85	Per Progm
STATE COMMUNITY COLLEGES				
Pikes Peak CC	0	0	300	4
Arapahoe CC	19	100	443	9
Front Range CC	0	0	206	3
Red Rocks CC	174	2,120	377	
Pueblo CC	6	37	258	7
Trinidad State Jr College	0	0	0	
Otero CC	941	8,000	277	15
Lamar CC	64	1,151	151	10
Morgan CC	0	0	89	4
Mean	134	1,268	233	8
Total	1,204	11,408	2,101	
DISTRICT COMMUNITY COLLEGES				
Aims CC	0	0	451	12
Colorado Mt College	300	3,126	318	11
Northeastern CC	0	0	384	10
Colo Northwestern CC	0	0	209	12
Mean	75	782	341	11
Total	300	3,126	1,362	
ALL COMMUNITY COLLEGES				
Mean	116	1,118	266	9
Total	1,504	14,534	3,463	

STATISTICS AND INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	Microform Titles		Microform Units		MS/Archives Linear Feet	
	Added 85	Held 85	Added 85	Held 85	Added 85	Held 85
STATE COMMUNITY COLLEGES						
Pikes Peak CC	195	15,677	195	15,677	0	0
Arapahoe CC	831	5,157	830	5,157	0	0
Front Range CC	18	495	1,558	36,518	1	39
Red Rocks CC	77		1,376	87,296	0	0
Pueblo CC	55	213	55	213	9	9
Trinidad State Jr College	3	32	36	1,513	0	0
Otero CC	2	11	20	300	0	0
Lamar CC	0	804	0	804	0	13
Morgan CC	1	1	1	1	0	0
Mean	131	2,799	452	16,387	1	7
Total	1,182	22,390	4,071	147,479	10	61
DISTRICT COMMUNITY COLLEGES						
Aims CC	14	335			0	0
Colorado Mt College	4,000	18,889		25,894	1,500	15,700
Northeastern CC	216	7,984	222	8,368	0	0
Colo Northwestern CC	4	322	1,251	9,677	0	0
Mean	1,059	6,883	737	14,646	375	3,925
Total	4,234	27,530	1,473	43,939	1,500	15,700
ALL COMMUNITY COLLEGES						
Mean	417	4,160	504	15,952	116	1,212
Total	5,416	49,920	5,544	191,418	1,510	15,761

STATISTICS & INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	Cartographic Mat'ls Units		Graphic Mat'ls Units	
	Added 85	Held 85	Added 85	Held 85
STATE COMMUNITY COLLEGES				
Pikes Peak CC	0	149	0	243
Arapahoe CC	0	104	0	0
Front Range CC	0	7	0	12,310
Red Rocks CC	0	0	408	22,916
Pueblo CC	0	3	4	4
Trinidad State Jr College	0	0	0	0
Otero CC	0	0	0	0
Lamar CC	0	34	0	0
Morgan CC	1	2	1	393
Mean	0	33	46	3,985
Total	1	299	413	35,866
DISTRICT COMMUNITY COLLEGES				
Aims CC	0	0	0	539
Colorado Mt College	300	6	6,775	2
Northeastern CC	0	0	0	0
Colo Northwestern CC	14	107	50	129
Mean	79	28	1,706	168
Total	314	113	6,825	670
ALL COMMUNITY COLLEGES				
Mean	24	32	557	2,810
Total	315	412	7,238	36,536

STATISTICS & INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	Audio Titles		Film Titles		Video Titles		Other Titles	
	Added 85	Held 85	Added 85	Held 85	Added 85	Held 85	Added 85	Held 85
STATE COMMUNITY COLLEGES								
Pikes Peak CC	0	1,765	1	773	4	496	[illegible]	1,106
Arapahoe CC	84	3,070	9	356	8	1,075	134	1,473
Front Range CC	0	1,678	0	126	3	1,007	0	1,965
Red Rocks CC	2	740	0	7	46	1,603	29	1,661
Pueblo CC	1	87	0	16	0	13	3	83
Trinidad State Jr College	0	1,486	0	21	0	2	0	0
Otero CC	0	1,100	0	35	0	0	0	0
Lamar CC	0	371	1	197	15	50	0	0
Morgan CC	4	422	0	105	4	89	23	375
Mean	10	1,191	1	182	9	482	21	740
Total	91	10,719	11	1,636	80	4,335	189	6,663
DISTRICT COMMUNITY COLLEGES								
Aims CC	0	672	0	46	0	0	0	0
Colorado Mt College	2,250	1,300	22,428	10	900	5,879	100	1,200
Northeastern CC	181	3,462	0	9	10	37	727	8,519
Colo Northwestern CC	12	1,252	1	40	9	54	19	318
Mean	611	1,672	5,607	26	230	1,493	212	2,509
Total	2,443	6,686	22,429	105	919	5,970	846	10,037
ALL COMMUNITY COLLEGES								
Mean	195	1,339	1,726	134	77	793	80	1,285
Total	2,534	17,405	22,440	1,741	999	10,305	1,035	16,700

STATISTICS & INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	ANNUAL CIRCULATION				Turnover Rate (Reg Circ/ Print Vols)
	Regular	Reserve	Total	Per Student	
STATE COMMUNITY COLLEGES					
Pikes Peak CC	22,276	1,301	23,577	6	0.59
Arapahoe CC	27,779	7,428	35,207	12	0.67
Front Range CC	26,513	4,403	30,916	10	0.60
Red Rocks CC	14,618	868	15,486	6	0.31
Pueblo CC	763	5	768	1	0.09
Trinidad State Jr College	10,859	0	10,859	11	0.15
Otero CC	3,194	900	4,094	7	0.10
Lamar CC	1,985	240	2,225	6	0.09
Morgan CC	3,005	69	3,074	9	0.24
Mean	12,332	1,690	14,023	8	0.32
Total	110,992	15,214	126,206		
DISTRICT COMMUNITY COLLEGES					
Aims CC	12,735	461	13,196	4	0.33
Colorado Mt College	110,059	29,333	139,392	55	1.75
Northeastern CC	12,792	1,271	14,063	8	0.26
Colo Northwestern CC	3,286	1,700	4,986	8	0.20
Mean	34,718	8,191	42,909	21	0.64
Total	138,872	32,765	171,637		
ALL COMMUNITY COLLEGES					
Mean	19,220	3,691	22,911	11	0.41
Total	249,864	47,979	297,843		

STATISTICS & INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	ANNUAL INTERLIBRARY LOAN		ILLs Rcvd Per 100 Gen'l Circulation	ILLs Provided/ Received
	Provided	Received		
STATE COMMUNITY COLLEGES				
Pikes Peak CC	693	93	0	7.45
Arapahoe CC	175	166	1	1.05
Front Range CC	865	129	0	6.71
Red Rocks CC	485	107	1	4.53
Pueblo CC	35	88	12	0.40
Trinidad State Jr College	3	33	0	0.09
Otero CC	76	91	3	0.84
Lamar CC	26	204	10	0.13
Morgan CC	8	166	6	0.05
Mean	263	120	4	2.36
Total	2,366	1,077		
DISTRICT COMMUNITY COLLEGES				
Aims CC	104	140	1	0.74
Colorado Mt College	2,964	2,208	2	1.34
Northeastern CC	0	533	4	0.00
Colo Northwestern CC	165	233	7	0.71
Mean	808	779	4	0.70
Total	3,233	3,114		
ALL COMMUNITY COLLEGES				
Mean	431	322	4	1.85
Total	5,599	4,191		

STATISTICS & INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	P E R Hours Open	Atten-dance	T Y P I C A L In-Library Use	Reference Transactions	W E E K Directional Transactions	Database Searches
STATE COMMUNITY COLLEGES						
Pikes Peak CC	73	4,500		200	100	0
Arapahoe CC	66	2,711	400	45	40	0
Front Range CC	57	2,405	2,368	840	1,860	2
Red Rocks CC	54	1,980	575	90	150	1
Pueblo CC	40	37		10	5	0
Trinidad State Jr College	60	857				0
Otero CC	55	500	250	20	50	0
Lamar CC	62	140	52	10	35	0
Morgan CC	62	410	50	10	110	0
Mean	59	1,504	616	153	294	0
Total	529	13,540	3,695	1,225	2,350	3
DISTRICT COMMUNITY COLLEGES						
Aims CC	62	649	78	61	50	0
Colorado Mt College	73	3,215	2,700	1,835	570	7
Northeastern CC	52	701	262	409	81	0
Colo Northwestern CC	76	540	150	35	22	0
Mean	66	1,276	798	585	181	2
Total	263	5,105	3,190	2,340	723	7
ALL COMMUNITY COLLEGES						
Mean	61	1,434	689	297	256	1
Total	792	18,645	6,885	3,565	3,073	10

STATISTICS & INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	P E R STUDENT (ANNUAL) Attendance	In-Library Use	Reference Transactions	Directional Transactions	Database Searches
STATE COMMUNITY COLLEGES					
Pikes Peak CC	56		2	1	
Arapahoe CC	44	7	1	1	
Front Range CC	41	40	14	31	0.03
Red Rocks CC	40	12	2	3	0.02
Pueblo CC	1				
Trinidad State Jr College	41				
Otero CC	45	22	2	4	
Lamar CC	17	6	1	4	
Morgan CC	59	7	1	16	
Mean	38	16	3	9	0.03
Total					
DISTRICT COMMUNITY COLLEGES					
Aims CC	10	1	1	1	
Colorado Mt College	63	53	36	11	0.14
Northeastern CC	20	8	12	2	
Colo Northwestern CC	46	13	3	2	
Mean	35	19	13	4	0.14
Total					
ALL COMMUNITY COLLEGES					
Mean	37	17	7	7	0.06
Total					

STATISTICS & INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	Regional Library Service System	FTE Student Enrollment	Degree Programs	Branches	Annual Hours Open
PRIVATE FOUR YEAR COLLEGES					
Regis College	Central Colo	3,300		0	4,296
Colorado College	Plains & Peaks	1,945		0	4,334
Loretto Hts College	Central Colo	775		0	3,620
Rockmont College	Central Colo			0	2,732
Western Bible College	Central Colo			0	2,784
Mean		2,007		0	3,553
Total		6,020		0	17,766
SEMINARIES					
Denver Conserv Baptist Seminary	Central Colo	463		0	3,956
Iliff School of Theology	Central Colo	359		0	3,500
St Thomas Seminary	Central Colo	124		0	4,261
Mean		315		0	3,906
Total		946		0	11,717
OTHER ACADEMIC INSTITUTIONS					
U S Air Force Academy	Plains & Peaks	4,536		1	6,417
Colo Technical College	Central Colo	477		0	2,688

STATISTICS & INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	S FTE Librarians	T A FTE Other Paid Staff	F F FTE Contrib Svcs	I N FTE Student Ass'ts	G TOTAL FTE	FTE Students Per FTE Libns	FTE Students Per Total FTE
PRIVATE FOUR YEAR COLLEGES							
Regis College	3.8	5.0	0.0	7.9	16.6	868	199
Colorado College	8.4	15.8	0.0	7.6	31.8	232	61
Loretto Hts College	3.0	3.0	0.5	4.1	10.6	258	73
Rockmont College	1.5	0.0	0.0	5.0	6.5		
Western Bible College	1.5	4.0	0.0	0.0	5.5		
Mean	3.6	5.6	0.1	4.9	14.2	453	111
Total	18.2	27.8	0.5	24.6	71.0		
SEMINARIES							
Denver Conserv Baptist Seminary	3.0	2.5	0.0	2.0	7.5	154	62
Iliff School of Theology	3.0	4.5	0.0	4.0	11.5	120	31
St Thomas Seminary	2.0	0.0	1.0	0.4	3.4	62	36
Mean	2.7	2.3	0.3	2.1	7.5	112	43
Total	8.0	7.0	1.0	6.4	22.4		
OTHER ACADEMIC INSTITUTIONS							
U S Air Force Academy	16.0	31.0	0.0	0.0	47.0	284	97
Colo Technical College	1.0	0.5	0.0	0.5	1.4	477	341

STATISTICS & INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	S T A F F Salaries & Wages	Fringe Benefits	E X P E N D I T U R E S TOTAL	Per Student	Percent of Total Optg
PRIVATE FOUR YEAR COLLEGES					
Regis College	$151,235	$24,000	$175,235	$53.10	0.53
Colorado College	$366,165	$65,274	$431,439	$221.82	0.47
Loretto Hts College	$92,913	$8,370	$101,283	$130.69	0.51
Rockmont College	$20,774	$0	$20,774		0.43
Western Bible College	$35,229	$0	$35,229		0.86
Mean	$133,263	$19,529	$152,792	$135.20	0.50
Total	$666,316	$97,644	$763,960		
SEMINARIES					
Denver Conserv Baptist Seminary	$98,191	$13,993	$112,184	$242.30	0.55
Iliff School of Theology	$149,741	$23,527	$173,268	$482.64	0.50
St Thomas Seminary					
Mean	$123,966	$18,760	$142,726	$362.47	0.52
Total	$247,932	$37,520	$285,452		
OTHER ACADEMIC INSTITUTIONS					
U S Air Force Academy	$916,000	$92,000	$1,008,000	$222.22	0.74
Colo Technical College	$16,800	$2,875	$19,675	$41.25	

STATISTICS & INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	M A T E R I A L S E X P E N D I T U R E S						
	Print Materials	Serial Sub-scriptions	Microform	Computer Software	Audio-Visual	Other	Binding/ Rebinding
PRIVATE FOUR YEAR COLLEGES							
Regis College	$26,890	$53,655	$4,242	$0	$1,651	$0	$6,080
Colorado College	$157,376	$134,212	$1,000	$2,086	$25,564	$0	$18,540
Loretto Hts College	$17,989	$21,000	$0	$3,713	$1,000	$0	$5,000
Rockmont College	$17,075	$9,808	$0	$0	$0	$0	$404
Western Bible College	$3,344	$2,616	$0	$0	$0	$0	(incl in print)
Mean	$44,535	$44,258	$1,048	$1,160	$5,643	$0	$6,005
Total	$222,674	$221,291	$5,242	$5,799	$28,215	$0	$30,024
SEMINARIES							
Denver Conserv Baptist Seminary	$47,354	$8,410	$0	$500	$0	$0	$5,386
Iliff School of Theology	$72,701	$28,330	$23,684	$0	$0	$0	$8,787
St Thomas Seminary							
Mean	$60,028	$18,370	$11,842	$250	$0	$0	$7,087
Total	$120,055	$36,740	$23,684	$500	$0	$0	$14,173
OTHER ACADEMIC INSTITUTIONS							
U S Air Force Academy	$150,000	$60,000	$10,000	$70,000	$0	$0	$26,000
Colo Technical College	$4,050	$1,650	$0	$0	$0	$0	$0

STATISTICS & INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	MATERIALS EXPENDITURES TOTAL	Per Student	Percent of Total Optg
PRIVATE FOUR YEAR COLLEGES			
Regis College	$92,518	$28.04	0.28
Colorado College	$338,778	$174.18	0.37
Loretto Hts College	$48,702	$62.84	0.25
Rockmont College	$27,287		0.57
Western Bible College	$5,960		0.14
Mean	$102,649	$88.35	0.33
Total	$513,245		
SEMINARIES			
Denver Conserv Baptist Seminary	$61,650	$133.15	0.30
Iliff School of Theology	$133,502	$371.87	0.39
St Thomas Seminary			
Mean	$97,576	$252.51	0.35
Total	$195,152		
OTHER ACADEMIC INSTITUTIONS			
U S Air Force Academy	$316,000	$69.66	0.23
Colo Technical College	$5,700	$11.95	

STATISTICS & INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	MISCELLANEOUS EXPENDITURES Equip-ment	Other Operating	TOTAL	Per Student	Percent of Total Optg
PRIVATE FOUR YEAR COLLEGES					
Regis College	$12,748	$52,000	$64,748	$19.62	0.19
Colorado College	$11,546	$139,706	$151,252	$77.76	0.16
Loretto Hts College	$22,000	$25,270	$47,270	$60.99	0.24
Rockmont College	$0	$0	$0		0.00
Western Bible College	$0	$0	$0		0.00
Mean	$9,259	$43,395	$52,654	$52.79	0.17
Total	$46,294	$216,976	$263,270		
SEMINARIES					
Denver Conserv Baptist Seminary	$5,000	$24,950	$29,950	$64.69	0.15
Iliff School of Theology	$50	$39,748	$39,798	$110.86	0.11
St Thomas Seminary					
Mean	$2,525	$32,349	$34,874	$87.77	0.13
Total	$5,050	$64,698	$69,748		
OTHER ACADEMIC INSTITUTIONS					
U S Air Force Academy	$12,000	$23,000	$35,000	$7.72	0.03
Colo Technical College	$0	$875	$875	$1.83	

STATISTICS & INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	TOTAL OPERATING EXPENDITURES	Total Optg Expend Per Student	SELECTED EXPENDITURES Postage	Telecomm	Computer Services	Database Searching	Computer Hardware
PRIVATE FOUR YEAR COLLEGES							
Regis College	$332,865	$100.87	$487	$0	$7,750	$583	$3,912
Colorado College	$921,469	$473.76	$2,120	$403	$54,007	$5,625	$10,200
Loretto Hts College	$197,255	$254.52	$900	$550	$11,000	$0	$15,000
Rockmont College	$48,061		$183	$0	$0	$0	$0
Western Bible College	$41,189		$0	$0	$0	$0	$0
Mean	$308,168	$276.38	$738	$191	$14,551	$1,242	$5,822
Total	$1,540,839		$3,690	$953	$72,757	$6,208	$29,112
SEMINARIES							
Denver Conserv Baptist Seminary	$203,784	$440.14	$900	$0	$17,001	$709	$5,000
Iliff School of Theology	$346,570	$965.38	$0	$0	$0	$0	$0
St Thomas Seminary							
Mean	$275,177	$702.76	$450	$0	$8,501	$355	$2,500
Total	$550,354		$900	$0	$17,001	$709	$5,000
OTHER ACADEMIC INSTITUTIONS							
U S Air Force Academy	$1,359,000	$299.60	$2,000	$38,000	$5,800	$369,000	$0
Colo Technical College	$0	$0.00	$20	$0	$0	$0	$0

STATISTICS & INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	Print Volumes Added 85	Print Volumes Held 85	Print Volumes Per Progm	Print Volumes Per Student	Print Titles Added 85	Print Titles Held 85
PRIVATE FOUR YEAR COLLEGES						
Regis College	3,168	96,409		29	2,370	67,784
Colorado College	11,998	555,459		286	5,497	215,495
Loretto Hts College	1,877	108,979		141	1,632	69,224
Rockmont College	1,008	39,300			891	31,776
Western Bible College	535	24,243			498	21,230
Mean	3,717	164,878		152	2,178	81,102
Total	18,586	824,390			10,888	405,509
SEMINARIES						
Denver Conserv Baptist Seminary	4,625	82,800		179	4,400	75,000
Iliff School of Theology	5,006	134,277		374	4,131	91,827
St Thomas Seminary						
Mean	4,816	108,539		276	4,266	83,414
Total	9,631	217,077			8,531	166,827
OTHER ACADEMIC INSTITUTIONS						
U S Air Force Academy	10,136	328,898		73	6,023	253,685
Colo Technical College	1,597	6,479			1,394	5,829

STATISTICS & INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	Govt Publ Titles		Serial Titles	
	Added 85	Held 85	Held 85	Per Progm
PRIVATE FOUR YEAR COLLEGES				
Regis College	0	19,342	646	
Colorado College	3,514	61,303	1,186	
Loretto Hts College	0	0	465	
Rockmont College	0	0	324	
Western Bible College	0	0	122	
Mean	703	16,129	549	
Total	3,514	80,645	2,743	
SEMINARIES				
Denver Conserv Baptist Seminary	0	0	526	
Iliff School of Theology	0	0	822	
St Thomas Seminary				
Mean	0	0	674	
Total	0	0	1,348	
OTHER ACADEMIC INSTITUTIONS				
U S Air Force Academy	9,114	145,349	3,997	
Colo Technical College	36	36	4	

STATISTICS AND INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	Microform Titles		Microform Units		MS/Archives Linear Feet	
	Added 85	Held 85	Added 85	Held 85	Added 85	Held 85
PRIVATE FOUR YEAR COLLEGES						
Regis College	0		0	4,221	0	0
Colorado College	7	5,115	2,500	61,500	50	69,922
Loretto Hts College	0	161	0	8,133	0	147
Rockmont College	2	4	1	4	0	0
Western Bible College	0	0	0	0	0	0
Mean	2	1,320	500	14,772	10	14,014
Total	9	5,280	2,501	73,858	50	70,069
SEMINARIES						
Denver Conserv Baptist Seminary	0	2,325	0	2,325	5	50
Iliff School of Theology			2,703	20,222	0	0
St Thomas Seminary						
Mean	0	2,325	1,352	11,274	3	25
Total	0	2,325	2,703	22,547	5	50
OTHER ACADEMIC INSTITUTIONS						
U S Air Force Academy	50	535	177	13,891	50	
Colo Technical College	0	0	0	0	0	0

STATISTICS & INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	Cartographic Mat'ls Units		Graphic Mat'ls Units	
	Added 85	Held 85	Added 85	Held 85
PRIVATE FOUR YEAR COLLEGES				
Regis College	3	21	0	0
Colorado College	720	8,720	0	19,494
Loretto Hts College	0	2	4	347
Rockmont College	0	0	0	0
Western Bible College	0	0	0	0
Mean	145	1,749	1	3,968
Total	723	8,743	4	19,841
SEMINARIES				
Denver Conserv Baptist Seminary	0	0	0	3,000
Iliff School of Theology	0	0	0	0
St Thomas Seminary				
Mean	0	0	0	1,500
Total	0	0	0	3,000
OTHER ACADEMIC INSTITUTIONS				
U S Air Force Academy	25	2,000	25	6,000
Colo Technical College	0	0	0	0

STATISTICS & INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	Audio Titles		Film Titles		Video Titles		Other Titles	
	Added 85	Held 85	Added 85	Held 85	Added 85	Held 85	Added 85	Held 85
PRIVATE FOUR YEAR COLLEGES								
Regis College	31	1,291	2	137	19	65	0	0
Colorado College	1	204	7	45	209	559	0	0
Loretto Hts College	0	2,953	0	48	13	81	0	217
Rockmont College	120	650	0	0	0	0	0	0
Western Bible College	36	358	0	0	30	30	0	0
Mean	38	1,091	2	46	54	147	0	43
Total	188	5,456	9	230	271	735	0	217
SEMINARIES								
Denver Conserv Baptist Seminary	25	525	0	0	10	33	0	0
Iliff School of Theology	56	1,743	(incl w/ audio)		(incl w/ audio)		0	0
St Thomas Seminary								
Mean	41	1,134	0	0	5	33	0	0
Total	81	2,268	0	0	10	33	0	0
OTHER ACADEMIC INSTITUTIONS								
U S Air Force Academy	32	4,778	0	0	0	0	18,889	441,395
Colo Technical College	2	19	1	28	11	35	0	40

STATISTICS & INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	ANNUAL CIRCULATION				Turnover Rate (Reg Circ/ Print Vols)
	Regular	Reserve	Total	Per Student	
PRIVATE FOUR YEAR COLLEGES					
Regis College	14,368	0	14,368	4	0.15
Colorado College	54,938	6,388	61,326	32	0.10
Loretto Hts College	6,932	1,440	8,372	11	0.06
Rockmont College	4,130	181	4,311		0.11
Western Bible College	3,600	0	3,600		0.15
Mean	16,794	1,602	18,395	9	0.11
Total	83,968	8,009	91,977		
SEMINARIES					
Denver Conserv Baptist Seminary	55,486	12,409	67,895	147	0.67
Iliff School of Theology	16,609	2,460	19,069	53	0.12
St Thomas Seminary					
Mean	36,048	7,435	43,482	138	0.40
Total	72,095	14,869	86,964		
OTHER ACADEMIC INSTITUTIONS					
U S Air Force Academy	115,057	71,741	186,798	41	0.35
Colo Technical College	1,224	419	1,643	3	0.19

STATISTICS & INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	ANNUAL INTERLIBRARY LOAN		ILLs Rcvd Per 100 Gen'l Circulation	ILLs Provided/ Received
	Provided	Received		
PRIVATE FOUR YEAR COLLEGES				
Regis College	315	669	5	0.47
Colorado College	1,411	2,337	4	0.60
Loretto Hts College	407	188	3	2.16
Rockmont College	0	0	0	
Western Bible College	0	0	0	
Mean	427	639	2	1.08
Total	2,133	3,194		
SEMINARIES				
Denver Conserv Baptist Seminary	612	227	0	2.70
Iliff School of Theology	1,984	405	2	4.90
St Thomas Seminary				
Mean	1,298	316	1	3.80
Total	2,596	632	3	
OTHER ACADEMIC INSTITUTIONS				
U S Air Force Academy	2,740	2,111	2	1.30
Colo Technical College	0	15	1	0.00

STATISTICS & INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	P E R Hours Open	Atten-dance	T Y P I C A L In-Library Use	Reference Transactions	W E E K Directional Transactions	Database Searches
PRIVATE FOUR YEAR COLLEGES						
Regis College	84	2,700		80		1
Colorado College	96	5,210	705	375	200	7
Loretto Hts College	85	1,730	144	48	103	0
Rockmont College	69					0
Western Bible College	78					0
Mean	82	3,213	425	168	152	2
Total	412	9,640	849	503	303	8
SEMINARIES						
Denver Conserv Baptist Seminary	78	3,120		100	50	6
Iliff School of Theology	77	250		88	265	0
St Thomas Seminary			4,261	2		3
Mean	78	1,685	4,261	63	158	3
Total	155	3,370	4,261	190	315	9
OTHER ACADEMIC INSTITUTIONS						
U S Air Force Academy	92	17,470	2,488	691	250	8
Colo Technical College	56	472	217	38	58	0

STATISTICS & INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985

INSTITUTIONS BY TYPE	P E R S T U D E N T (A N N U A L) Attendance	In-Library Use	Reference Transactions	Directional Transactions	Database Searches
PRIVATE FOUR YEAR COLLEGES					
Regis College	41		1		0.02
Colorado College	134	18	10	5	0.18
Loretto Hts College	112	9	3	7	
Rockmont College					
Western Bible College					
Mean	95	14	5	6	0.10
Total					
SEMINARIES					
Denver Conserv Baptist Seminary	337		11	5	0.65
Iliff School of Theology	35		12	37	
St Thomas Seminary		1,718	1		1.21
Mean	186	1,718	8	21	0.93
Total					
OTHER ACADEMIC INSTITUTIONS					
U S Air Force Academy	193	27	8	3	0.09
Colo Technical College	49	23	4	6	

STATISTICS AND INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985	FTE Student Enrollment	Degree Programs	Branches	Annual Hours Open
ALL ACADEMIC INSTITUTIONS				
Mean	4,159	64	1	5,028
Total	112,306	1,209	19	155,881

STATISTICS AND INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985	S FTE Librarians	T A FTE Other Paid Staff	F FTE Contrib	F Svcs	I FTE Student Ass'ts	N	G TOTAL FTE	FTE Students Per FTE Libns	FTE Students Per Total FTE
ALL ACADEMIC INSTITUTIONS									
Mean	7.4	16.2	.0		7.5		31.1	871	177
Total	229.0	502.1	1.5		231.1		963.0		

STATISTICS AND INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985	STAFF EXPENDITURES Salaries & Wages	Fringe Benefits	TOTAL	Per Student	Percent of Total Optg
ALL ACADEMIC INSTITUTIONS					
Mean	$462,526	$72,622	$535,147	$132.29	0.58
Total	$13,875,766	$2,178,655	$16,054,421		

STATISTICS AND INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985	MATERIALS EXPENDITURES Print Materials	Serial Subscriptions	Microform	Computer Software	Audio-Visual	Other	Binding/ Rebinding
ALL ACADEMIC INSTITUTIONS							
Mean	$99,080	$142,061	$11,013	$3,049	$4,541	$4,310	$13,601
Total	$2,972,403	$4,261,822	$330,377	$91,470	$136,227	$129,295	$408,017

STATISTICS AND INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985	MATERIALS EXPENDITURES TOTAL	Per Student	Percent of Total Optg
ALL ACADEMIC INSTITUTIONS			
Mean	$277,654	$65.79	0.30
Total	$8,329,611		

STATISTICS AND INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985	MISCELLANEOUS EXPENDITURES Equip-ment	Other Operating	TOTAL	Per Student	Percent of Total Optg
ALL ACADEMIC INSTITUTIONS					
Mean	$11,353	$101,517	$112,870	$24.90	0.12
Total	$340,579	$3,045,522	$3,386,101		

STATISTICS AND INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985	TOTAL OPERATING EXPENDITURES	Total Optg Expend Per Student	SELECTED EXPENDITURES				
			Postage	Telecomm	Computer Services	Database Searching	Computer Hardware
ALL ACADEMIC INSTITUTIONS							
Mean	$926,492	$220.96	$2,527	$4,797	$31,062	$18,081	$21,570
Total	$27,794,772		$75,806	$143,918	$931,854	$542,429	$647,099

STATISTICS AND INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985	Print Volumes Added 85	Print Volumes			Print Titles	
		Held 85	Per Progm	Per Student	Added 85	Held 85
ALL ACADEMIC INSTITUTIONS						
Mean	9,120	279,449	2,706	79	2,911	111,964
Total	273,605	8,383,466			78,589	3,023,038

STATISTICS AND INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985	Govt Publ Titles		Serial Titles	
	Added 85	Held 85	Held 85	Per Progm
ALL ACADEMIC INSTITUTIONS				
Mean	2,251	34,097	2,626	31
Total	65,277	954,724	78,767	

STATISTICS AND INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985	Microform Titles		Microform Units		MS/Archives Linear Feet	
	Added 85	Held 85	Added 85	Held 85	Added 85	Held 85
ALL ACADEMIC INSTITUTIONS						
Mean	11,437	144,433	17,622	217,228	103	3,847
Total	297,366	3,466,395	493,419	6,299,611	3,093	111,554

STATISTICS AND INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985	Cartographic Mat'ls Units		Graphic Mat'ls Units	
	Added 85	Held 85	Added 85	Held 85
ALL ACADEMIC INSTITUTIONS				
Mean	1,372	11,754	913	8,254
Total	41,164	352,631	27,380	247,624

STATISTICS AND INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985	Audio Titles		Film Titles		Video Titles		Other Titles	
	Added 85	Held 85	Added 85	Held 85	Added 85	Held 85	Added 85	Held 85
ALL ACADEMIC INSTITUTIONS								
Mean	116	2,692	749	84	47	458	666	16,758
Total	3,470	80,772	22,462	2,443	1,414	13,291	19,987	502,733

STATISTICS AND INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985	ANNUAL CIRCULATION				Turnover Rate (Reg Circ/ Print Vols)
	Regular	Reserve	Total	Per Student	
ALL ACADEMIC INSTITUTIONS					
Mean	52,752	11,408	85,291	23	0.30
Total	1,529,816	330,828	2,558,728		

STATISTICS AND INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985	ANNUAL INTERLIBRARY LOAN		ILLs Rcvd Per 100 Gen'l Circulation	ILLs Provided/ Received
	Provided	Received		
ALL ACADEMIC INSTITUTIONS				
Mean	2,351	1,246	3	2.15
Total	70,521	37,385	80	

STATISTICS AND INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985	P E R T Y P I C A L W E E K					
	Hours Open	Atten-dance	In-Library Use	Reference Transactions	Directional Transactions	Database Searches
ALL ACADEMIC INSTITUTIONS						
Mean	76	7,696	3,324	545	405	15
Total	2,265	207,781	73,136	14,705	10,120	473

STATISTICS AND INPUT-OUTPUT MEASURES FOR COLORADO ACADEMIC LIBRARIES 1985	P E R S T U D E N T (A N N U A L)				
	Atten-dance	In-Library Use	Reference Transactions	Directional Transactions	Database Searches
ALL ACADEMIC INSTITUTIONS					
Mean	76	102	6	7	0.26
Total					

Please supply ALL the identifying items (1-6) requested on this page. When the questionnaire is completed, return to: NCES HEGIS Processing Center, P.O. Box 8637, Silver Spring, MD 20907 or to the HEGIS coordinator if there is a HEGIS coordinator in your state.

If there are any questions about this form, contact:

Robert L. Thomas,
(202) 254-7351

HEGIS XX

FORM APPROVED
OMB NO. 1850-0099
APPROVAL EXPIRES 4/86

Please read instructions before completing form.

U.S. Department of Education
Washington, D.C. 20202

Higher Education General Information Survey (HEGIS XX)

College and University Libraries - Fall 1985

This form is authorized by law (20 U.S.C. 1221 e-1). While you are not required to respond, your cooperation is needed to make the results of this survey comprehensive, accurate, and timely.

DUE DATE: NOVEMBER 30, 1985

1 NAME AND MAILING ADDRESS OF INSTITUTION OR CAMPUS COVERED BY THIS REPORT
(See Definitions of Institutions on this page.) (Include City, State and Zip Code.)

2 FICE CODE NUMBER

3 NAME AND TITLE OF RESPONDENT

4 TELEPHONE NUMBER OF RESPONDENT
(area code, local number, and extension)

5 PLEASE NOTE THAT EACH INSTITUTION, BRANCH, CAMPUS OR OTHER ENTITY SEPARATELY CERTIFIED BY THE ELIGIBILITY AND AGENCY EVALUATION STAFF OF THE U.S. DEPARTMENT OF EDUCATION, WITH ITS OWN FICE CODE, AND LISTED SEPARATELY IN THE **EDUCATION DIRECTORY–COLLEGES AND UNIVERSITIES**, SHOULD BE REPORTED ON A SEPARATE SURVEY FORM AND NOT INCLUDED OR COMBINED WITH ANY OTHER SUCH CERTIFIED UNIT BRANCHES, CAMPUSES, AND OTHER ORGANIZATIONAL ENTITIES NOT SEPARATELY CERTIFIED SHOULD BE INCLUDED WITH THE APPROPRIATE INSTITUTION OR BRANCH REPORT. IF SUCH ARE INCLUDED IN THIS REPORT, PLEASE LIST THEM BELOW

ARE DATA FOR THIS UNIT INCLUDED IN THIS REPORT?	NAME OF BRANCH AND/OR OTHER CAMPUS	ADDRESS (CITY, STATE, AND ZIP CODE)
☐ YES ☐ NO		
☐ YES ☐ NO		
☐ YES ☐ NO		

6 IF THE EDUCATIONAL ORGANIZATION OR ENTITY COVERED BY THIS SURVEY REPORT IS PART OF A MULTI-CAMPUS INSTITUTION, OR PART OF A SYSTEM OF INSTITUTIONS, PLEASE ENTER THE NAME OF THE INSTITUTION OR SYSTEM BELOW. IF NOT APPLICABLE, CHECK HERE ☐

Definitions of Institutions

Institutional System. A complex of two or more institutions of higher education, each separately organized or independently administered, under the control of a single administrative body.

Multi-Campus Institution. An organization resembling an institutional system, but clearly designed as a single institution with either of two organizational structures: (1) an institution having two or more campuses responsible to a central administration (which central administration may or may not be located on one of the administratively equal campuses) or (2) an institution having a main campus with one or more branch campuses.

Main Campus. In those institutions comprised of a main campus and one or more branch campuses, the main campus (sometimes called the parent institution) is usually the location of the core, primary, or most comprehensive program. (Unless the institution-wide or central administrative office for such institutions is reported to be at a different location, the main campus is understood to be the location of the central administrative office.)

Branch Campus. A campus of an institution of higher education which is located in a community different from that of its parent institution, that is, beyond a reasonable commuting distance from the main campus of the parent institution. To be considered a **branch campus**, rather than an **extension center**, the educational activities at the location must be organized on a relatively permanent basis (i.e. **have a relatively permanent administration**) and include course offerings for one or more complete college-level programs of at least one full year.

Department of Education
Washington, D.C. 20202
HIGHER EDUCATION GENERAL INFORMATION SURVEY

Form Approved
OMB NO. 1850-0099
Approval Expires 4/86

COLLEGE AND UNIVERSITY LIBRARIES, FALL 1985

DEFINITIONS AND INSTRUCTIONS

Please read the following explanations and instructions before completing this form.
Detach this portion and mail the completed form either directly to the NCES HEGIS Processing Center, POB 8637, Silver Spring, Maryland 20907 or to the HEGIS coordinator, if there is a HEGIS coordinator in your state.

In this form, basic data are requested on the collections, staff, expenditures, and developmental areas for college and university libraries. The compilations of these data have proven to be valuable tools for administrators, chief librarians, and others concerned with the improvement of library services to higher education.

GENERAL INSTRUCTIONS

LIBRARY. For the purpose of this survey, a library is defined as an organized collection of printed, microform, and audiovisual materials which (a) is administered as one or more units, (b) is located in one or more designated places, and (c) makes printed, microform, and audiovisual materials as well as necessary equipment and services of a staff accessible to students and to faculty. Report data on units meeting the above definition of a library which are a part of a learning resources center. Do not report data on instructional or other activities performed by learning resources centers which are not included in the definition of a library.

LIBRARY UNITS COVERED. A report should be submitted by each institution, campus or branch which has been certified by the Eligibility and Evaluation Staff of the U.S. Department of Education with its identification code and listed separately in the EDUCATION DIRECTORY, COLLEGES AND UNIVERSITIES. Data on libraries that are separately budgeted or housed (e.g., medicine, law extension center, research center, etc.) should be included in the report for the campus or branch where they are located.

TIME PERIOD COVERED. Data are requested for the following time periods:

(1) Fiscal year 1985 - a 12-month period between June 1, 1984 and September 30, 1985 which corresponds to your institution's fiscal year.

(2) Typical week in fall semester, 1985 - a typical week is one without holidays when the central or main library is open during its regular hours for general use.

(3) Fall 1985 - the point in time in the fall of 1985 when the survey form is being completed.

NEED FOR ESTIMATES. If an exact figure is not available for a particular item but the amount is known to be greater than zero, ENTER AN ESTIMATE OF THE AMOUNT. Indicate the fact that the figure is an estimate by parentheses ( ). Estimates are important if exact data are not available. Items which are left blank will be interpreted as zero or not relevant to your library. Request help from your business office in providing library expenditure and contracted salary and wage data.

FICE CODE NUMBER. Enter the FICE code number for your institution at the upper right hand corner of each page, in item captioned "FICE Code Number." This number is given in the upper right hand corner of the mailing label.

QUESTIONS. If you have questions or need more copies of this form, telephone Robert Thomas, at (202) 254-7351, Division of Multilevel Education Statistics, National Center for Education Statistics.

SPECIFIC INSTRUCTIONS

Part I-Number and Hours of Public Service Outlets, Fiscal Year 1985.

BRANCH LIBRARIES (line 1). Report the number of branch libraries at your institution that were open all or part of fiscal year 1985. (DO NOT COUNT THE MAIN OR CENTRAL LIBRARY.) Branch libraries are auxiliary units which have all of the following: (1) separate quarters, (2) a permanent basic collection of books, (3) a permanent staff, and (4) a regular schedule for opening to the public. They are, however, administered from a central unit and are part of an institution with the same FICE code as the central library.

TOTAL ANNUAL PUBLIC SERVICE HOURS (line 2). Report the total hours of public service of the main or central library and of all branches during fiscal year 1985. If the main library is open 60 hours per week (60 times 52 weeks = 3120), less 5 days of 10 hours each closed for holidays, the main library total is 3120 less 50 = 3070 hours. If 3 branch libraries are also open the same number of hours as the main library (regardless of whether or not all facilities are open at the same time) the annual aggregate for the library is 4 times 3070 = 12,280 hours.

Part II - Library Staff, Fall 1985

FULL-TIME EQUIVALENT (FTE) EMPLOYEES. Report the sum of the number of full-time employees plus the number of full-time equivalent of the part-time employees. To compute full-time equivalents of part-time employees, take the number of hours worked per week by a part-time employee and divide it by the number of hours CONSIDERED BY THE REPORTING LIBRARY TO BE A FULL-TIME WORK WEEK. (E.g., 60 hours per week of part-time work divided by 40 hours per full-time week equals 1.5 FTE)

LIBRARIANS (line 3). Report the number of staff members doing work that requires professional training and skill in the theoretical or scientific aspect of library work, or both, as distinct from its mechanical or clerical aspect. Include unfilled positions if search is currently underway.

ALL OTHER PAID STAFF (line 4). Report the total FTE for all other paid library staff in filled positions in Fall 1985 who are paid annual salaries. If professional or nonprofessional staff in your library are paid hourly wages, yet fill positions which are salaried annually in most other libraries, they should also be included. Exclude maintenance and custodial staff.

CONTRIBUTED SERVICES STAFF (line 5). Report the FTE of contributed services staff. Contributed services staff should be reported only by religious institutions or institutions affiliated with religious or theological organizations. Publicly controlled institutions receiving volunteer or contributed services (if any) should exclude data respecting such services in this report.

STUDENT ASSISTANCE FROM ALL FUNDING SOURCES (line 6). Report the total FTE for student assistance, by students employed on an hourly basis whose wages are charged either to the library budget or to a budget other than the library budget. Exclude maintenance and custodial staff.

TOTAL STAFF (line 7). Report the sum of lines 3, 4, 5 and 6.

PART III - LIBRARY OPERATING EXPENDITURES, FISCAL YEAR 1985

PART III has been divided into two sections to facilitate reporting. All operating expenditures should be reported in Section A, Standard Operating Expenditures, which includes lines for items that appear in most library operating budgets. Section B, Selected Special Expenditures, includes lines for expenditures which may appear in different places on different library budgets. (For example, online database searching may be considered collection expenditures in some libraries. In others, it may be reported under "other operating expenditures.") Amounts reported in Section B *should have been reported in Section A*, most likely as "other operating expenditures." They are requested here, however, so that trends in these important areas may be documented.

EXPENDITURES (lines 8-24). Report the funds expended in fiscal year 1985 regardless of when the funds may have been received from Federal, State, or other resources. Expenditures should be reported for the 12-month period which corresponds to your library's fiscal year between the calendar period of June 1, 1984 to September 30, 1985. Report all expenditures in whole dollars; omit cents.

SECTION A. Standard Operating Expenditures

SALARIES AND WAGES (line 8). Report expenditures for full-time and part-time salaries and wages before deductions, but exclude fringe benefits provided by your institution for all regular library staff. Exclude contributed services, maintenance and custodial staff, and students serving on an hourly basis.

FRINGE BENEFITS (line 9). Report the sum of all fringe benefits provided by your institution for all library staff whose salaries and wages are shown on line 8 (exclude maintenance and custodial staff and students serving on an hourly basis). Fringe benefits are defined as cash contributions in the form of supplementary or deferred compensation other than salary. The employee's contribution should be excluded when determining the dollar value of fringe benefits. Fringe benefits include: retirement plans; hospitalization, surgical, and medical plans; guaranteed disability income protection plans; tuition plans; housing plans; social security taxes; unemployment compensation plans; group life insurance plans; workmen's compensation; and other benefits in-kind with cash options.

PRINT MATERIALS (line 10). Report expenditures for all materials consisting primarily of words and usually produced by making an impression with ink on paper. Included in this category are materials that do not require magnification: books, government documents, braille materials, ephemeral print materials, and the like. Exclude serial subscriptions and microforms.

SERIAL SUBSCRIPTIONS (line 11). Report expenditures for all publications issued in successive parts, usually at regular intervals, and as a rule, intended to be continued indefinitely. Serials include periodicals, newspapers, annual (reports, yearbooks, etc.), memoirs, proceedings, and transactions of societies; they may include monographic and publishers' series.

MICROFORMS (line 12). Report expenditures for all photographic reproductions of textual, tabular, or graphic materials reduced in size so that they can be used only with magnification. The two main types of microforms are microreproductions on transparent material (roll microfilm, aperture cards, microfiche, and ultrafiche) and reproductions on opaque materials. Excluded serial subscriptions.

COMPUTER SOFTWARE (line 13). Report expenditures for all programs, procedures, and associated documentation that instruct the computer to perform certain types of tasks, in contrast to the physical components of a computer (hardware).

AUDIOVISUAL MATERIALS (line 14). Report expenditures for all library materials that are displayed by visual projection or magnification or through sound reproduction, or both, including graphic materials, audio materials, motion pictures, video materials, and special visual materials such as cartographic and three-dimentional materials.

OTHER (line 15). Report any expenditures for other collection materials not placed in lines 10 to 14.

BINDING AND REBINDING (line 16). Report only expenditures paid to commercial binderies for all binding and rebinding of books and periodicals during the 1985 fiscal year. Do not allocate wages, materials, etc., for binding.

EQUIPMENT (line 17). Report only expenditures for all library equipment purchased during 1985 fiscal year. Include microform equipment, audiovisual equipment and computer related equipment.

ALL OTHER OPERATING EXPENDITURES (line 18). Report expenditures for travel, rental, leases, insurance, postage and freight, printing, replacement of equipment and furnishings, supplies and membership costs. Exclude expenditures for utilities, plant maintenance and operation, and capital outlay.

SECTION B. Selected Special Expenditures
Note: These expenditures should have been included in lines 8 to 18.

POSTAGE (line 20). Report all expenditures for postage and delivery, including U.S. Mail and commercial delivery services during the 1985 fiscal year.

TELECOMMUNICATIONS (line 21). Report any separately billed expenditures for all types of telephone services and for such services as electronic mail, teleconferencing, telefacsimile, teletype, telex, etc.

CONTRACTED COMPUTER SERVICES (line 22). Report any costs related to purchased library services done for your library on computers by a computerized library network, computerized cooperative library organization, or by a commercial organization providing library services. Telecommunications costs may be included.

ONLINE DATABASE SEARCHING (line 23). Report any expenditures for all reference transactions in which the source utilized is one or more databases searched online by computer.

COMPUTER HARDWARE (line 24). Report any costs related to the purchase of computers, printers, or any physical component of a computer.

PART IV - LIBRARY COLLECTIONS, FISCAL YEAR 1985

TOTAL NUMBER ADDED DURING FISCAL YEAR. Report the number added. Do not subtract the number withdrawn.

TOTAL NUMBER HELD AT END OF FISCAL YEAR. Self-explanatory.

BOOKS. Nonperiodical printed publications bound in hard or soft covers, or in loose-leaf format, of at least forty-nine pages, exclusive of the cover pages, or a juvenile nonperiodical publication of any length bound in hard or soft covers.

SERIALS. Publications issued in successive parts, usually at regular intervals, and as a rule, intended to be continued indefinitely. Serials include periodicals, newspaper, annual (reports, yearbooks, etc.), memoirs, proceedings, and transactions of societies; they may include monographic and publishers' series.

GOVERNMENT DOCUMENTS. Any publication in book, serial, or other form of library materials that are published by a government agency, e.g., the publication of federal, state, local, and foreign governments and of intergovernmental organizations to which governments belong and appoint representatives, such as the United Nations, Organization of American States, and the Erie Basin Commission.

PERIODICALS. A publication in any medium intended to appear indefinitely at regular or stated intervals, generally more frequently than annually. Individual issues are numbered consecutively or dated and normally contain separate articles, stories, or other writings. Do not include newspapers disseminating general news, and the proceedings, papers, or other publications of corporate bodies primarily related to their meetings.

NEWSPAPER. Those serials that are designed mainly to be a primary source of written information on current events. They may also include articles as well as illustrations, advertising, legal notices, and vital statistics. Newspapers appear with a masthead and are usually printed on newsprint without a cover.

VOLUMES (line 25). For reporting purposes, a volume is a physical unit of any printed, typewritten, handwritten, mimeographed, or processed work, contained in one binding or portfolio, handbound or paperbound, which has been cataloged, classified, or otherwise made ready for use.

TITLES (line 26). For reporting purposes, a title is a publication which forms a separate bibliographic whole, whether issued in one or several volumes, reels, disks, slides, or parts. It applies equally to printed materials, such as books and periodicals, as well as to audiovisual materials and microforms. Report the number of items for which a separate shelflist card has been made. (SHELFLIST: A record of materials in a library, arranged in the order in which the materials stand when they are shelved or stored.) Thus, six copies of the same edition of a title count as one title; two editions of the same title which have been cataloged or recorded separately count as two titles; a set of six items for which six shelflist cards have been made count as six titles; and two sets of the same edition for which one shelflist card has been made count as one title.

METHOD FOR ESTIMATING THE NUMBER OF TITLES IN THE COLLECTION:

A library which does not maintain a title count of its various collections and which cannot easily count the number of separate shelflist cards should use the following method for estimating this count:

1. Pressing the cards tightly together, measure the total number of inches in the shelflist.
2. Using the same amount of pressure, measure one inch of cards in the shelflist. Count the number of titles contained in the inch.
3. Repeat step 2 at regular intervals (for example, count one inch in every foot, or in every three feet, or other pre-established intervals) to ensure measuring at least seven sample inches distributed throughout the shelflist.
4. Average the number of titles per inch in the samples. If any sample varies from the average by more than four cards, repeat steps one through four, applying more even pressure to the cards.
5. Multiply the average titles per inch by the total number of inches of cards in the shelflist.

CURRENT SERIAL SUBSCRIPTIONS (line 28). Report the number of titles subscribed to, and not the number of individual issues (exclude duplicate subscriptions). Include periodicals, newspapers, and government documents issued serially.

MICROFORMS (lines 29-32). Report the number of titles of materials that have been photographically reduced in size for storage, protection, and inexpensive publication purposes, and which must be read with the help of enlarging instruments. Examples of microforms are: microfilm, microcard, and microfiche. These are also called microcopy and microtes.

MANUSCRIPTS AND ARCHIVES (line 33). Report the linear feet of shelfspace occupied by these materials. Manuscripts are handwritten or typed documents, including carbon copies. Archives are nonrecurrent records of an organization or institution preserved because of their continuing value.

CARTOGRAPHIC MATERIALS (line 34). Report the number of units of materials representing in whole or in part the earth or any celestial body at any scale. These materials include two- and three-dimensional maps and globes.

GRAPHIC MATERIALS (line 35). Report the number of units of materials for viewing without sound. The materials may or may not be projected or magnified. They include art originals, art prints, art reproductions, slides, transparencies, filmstrips, photographs, pictures, postcards, posters, study prints, and the like.

AUDIO MATERIALS (line 36). Report the number of titles of materials on which sounds (only) are stored (recorded) and that can be reproduced (played back) mechanically or electronically, or both. These materials include audiocassettes, audiocartridges, audiodiscs, audioreels, talking books, and other sound recordings.

FILMS (line 37). Report the number of titles of films, a term which is used interchangeably with "motion picture" which is a length of film, with or without recorded sound, bearing a sequence of images that create the illusion of movement when projected in rapid succession (usually 16 or 24 frames per sound). Motion pictures are produced in a variety of sizes (8, super 8, 16, 35, 55, and 70 mm) and a variety of formats (cartridge, cassette, loop, and reel). Common motion picture sizes in instructional use are 8mm, supper 8mm, and 16mm.

VIDEO MATERIALS (line 38). Report the number of titles of materials on which both pictures and sound are recorded. Electronic playback reproduces both pictures and sounds using a television receiver or monitor.

MACHINE-READABLE MATERIALS (line 39). Report the number of titles of materials in a form designed to be processed by a machine, usually a computer, either as input or as output, that have data recorded on them in some form. These materials include data files and computer program files. Typically, these files are stored on such media as punched cards, paper type, magnetic tape and disks, and digital videodisks. These materials excludes computer outputs that are eye-legible or can be read with magnification. Include microcomputer software in this category.

OTHER LIBRARY MATERIALS (line 40). Report here any materials not already included in lines 25-39.

PART V - LIBRARY LOAN TRANSACTIONS, FISCAL YEAR 1985

CIRCULATION TRANSACTIONS (lines 41-42). Report the number of items lent from the general and reserve collections of the library for use usually (although not always) outside the library. These activities include charging, either manually or electronically, and also renewals, each of which is reported as a circulation transaction.

RESERVE COLLECTION are those materials that have been removed from the general library collection and set aside in a library so that they will be on hand for a certain course of study or activity in process. Usually, the circulation and length of loan of items in a reserve collection are restricted so that these items will be available to many users who have need of them within a limited time period.

INTERLIBRARY LOANS (lines 43-44). Report the number of transactions in which library materials, or copies of the materials, are made available by one library to another upon request. Loans include both lending and borrowing. The libraries involved in interlibrary loan *are not* under the same administration or on the same campus.

PART VI - LIBRARY SERVICE PER TYPICAL WEEK, FALL 1985

Collect data during a typical week in the fall and report the numbers here. A typical week is defined as a week in which the library is open for its regular hours and contains no holidays. It is seven consecutive calendar days, from Sunday through Saturday, or whatever days the library is normally open that period. If data are available for an entire year rather than for a typical week, then estimate a weekly count by dividing the annual figure by 52.

PUBLIC SERVICE HOURS PER TYPICAL WEEK (line 45). Consider both main library and branches using the following method. If a library is open from 9:00 a.m. to 5:00 p.m. Monday through Friday, it should report 40 hours per week. If several of its branches are also open during those hours, the figure remains 40 hours. Should Branch A also be open one evening from 7:00 to 9:00, the total hours which users can find service becomes 42. If Branch B is open the same hours on the same evening the total remains 42, but if it is open 2 hours on another evening, or from 5:00 to 7:00 on the evening when Branch A is open later, the total becomes 44 hours during which users can find service.

TOTAL ATTENDANCE IN LIBRARY PER TYPICAL WEEK (line 46). Report the total number of persons entering the library per typical week, including persons attending activities, meetings, and those persons requiring no staff services.

IN-LIBRARY USE OF LIBRARY MATERIALS PER TYPICAL WEEK (line 47). Report the total number of materials utilized in the library, but not checked out. These materials include reference books, periodicals, book stock, and all other library materials that are used WITHIN the library.

TOTAL REFERENCE TRANSACTIONS PER TYPICAL WEEK (line 48). Report the total reference transactions per typical week. A reference transaction is an information contact which involved the knowledge, use, recommendations, interpretation, or instruction in the use of one or more information sources by a member of the library staff. Information sources include printed and non-printed materials, machine-readable databases (including computer-assisted instruction), catalogs and other holdings, records, and, through communication or referral, other libraries and institutions, and persons both inside and outside the library. Include information and referral services. A contact that includes both reference and directional services should be reported as one reference transaction. When a staff member utilizes information gained from previous use of information sources to answer a question, report as a reference transaction, even if the source is not consulted again during this transaction. Duration should not be an element in determining whether a transaction is reference of directional.

TOTAL DIRECTIONAL TRANSACTIONS PER TYPICAL WEEK (line 49). Report the total directional transactions per typical week. A directional transaction is an information contact which facilitates the use of the library in which the contact occurs and which does NOT involve the knowledge, use, recommendation, interpretation, or instruction in the use of, any information sources other than those which describe that library, such as schedules, floor plans, handbooks, and policy statements. Examples of directional transactions include giving instruction for locating, withing the library, staff, library users, or physical features, etc., and giving assistance of a non-bibliographic nature with machines.

INFORMATION SERVICE TO GROUPS (line 50-51). Report the total number of presentations per typical week on line 50 and the total members of persons served on line 51. An information contact is one which a staff member or person invited by a staff member provides information intended for a number of persons and planned in advance. Information service to groups may be either raphic instruction or library use presentations, or it may be c recreational, or educational presentations. Presentations t and off the library premises are included, as long as th sponsored by the library. Do not include meetings spons other groups using library meeting rooms.

ONLINE DATABASE SEARCHES PER TYPICAL WEEK (li Report the number of reference transactions in which the utilized is one or more databases searched online by com

ME OF INSTITUTION | FICE CODE NUMBER

PART I – NUMBER AND HOURS OF PUBLIC SERVICE OUTLETS, FISCAL YEAR 1985

ITEM	LINE NO.	NUMBER
ANCH LIBRARIES	1	
TAL ANNUAL PUBLIC SERVICE HOURS	2	

PART II – LIBRARY STAFF, FALL 1985
(EXCLUDE MAINTENANCE AND CUSTODIAL STAFF)

STAFF	LINE NO.	NUMBER OF FTE
RARIANS	3	
L OTHER PAID STAFF	4	
NTRIBUTED SERVICES STAFF *(TO BE REPORTED ONLY BY PRIVATELY CONTROLLED STITUTIONS WHICH ARE AFFILIATED WITH A RELIGIOUS ORGANIZATION).*	5	
JDENT ASSISTANCE FROM ALL FUNDING SOURCES	6	
TAL STAFF M OF LINES 3 THROUGH 6)	7	

NAME OF INSTITUTION	FICE CODE NUMBER

PART III – LIBRARY OPERATING EXPENDITURES, FISCAL YEAR 1985

SECTION A. STANDARD OPERATING EXPENDITURES

CATEGORY	LINE NO.	AMOUNT (WHOLE DOLLARS) ONLY)
SALARIES AND WAGES	8	$
FRINGE BENEFITS	9	$
COLLECTIONS •PRINT MATERIALS *(EXCLUDE SERIAL SUBSCRIPTIONS AND MICROFORMS)*	10	$
•SERIAL SUBSCRIPTIONS *(INCLUDE ALL PHYSICAL FORMATS)*	11	$
•MICROFORMS *(EXCLUDE SERIAL SUBSCRIPTIONS)*	12	$
•COMPUTER SOFTWARE	13	$
•AUDIOVISUAL MATERIALS	14	$
•OTHER	15	$
BINDING AND REBINDING	16	$
EQUIPMENT	17	$
ALL OTHER OPERATING EXPENDITURES	18	$
TOTAL OPERATING EXPENDITURES *(SUM OF LINES 8 THROUGH 18)*	19	$

SECTION B – SELECTED SPECIAL EXPENDITURES

COMMUNICATIONS •POSTAGE	20	$
•TELECOMMUNICATIONS	21	$
CONTRACTED COMPUTER SERVICES	22	$
ONLINE DATABASE SEARCHING	23	$
COMPUTER HARDWARE	24	$

NAME OF INSTITUTION | FICE CODE NUMBER

PART IV – LIBRARY COLLECTIONS, FISCAL YEAR 1985

CATEGORY	LINE NO.	TOTAL NUMBER ADDED DURING FISCAL YEAR	TOTAL NUMBER HELD AT END OF FISCAL YEAR
BOOKS, SERIALS AND GOVERNMENT DOCUMENTS *(INCLUDE BOUND PERIODICALS AND NEWSPAPERS AND EXCLUDE MICROFORMS).*			
• NUMBER OF VOLUMES	25		
• NUMBER OF TITLES*	26		
• NUMBER OF GOVERNMENT DOCUMENT TITLES*	27		
CURRENT SERIAL SUBSCRIPTIONS *(INCLUDE PERIODICALS, NEWSPAPERS AND GOVERNMENT DOCUMENTS)*			
• NUMBER OF TITLES*	28		
MICROFORMS			
• NUMBER OF BOOK TITLES* REPRESENTED BY MICROFORMS	29		
• NUMBER OF SERIAL TITLES* REPRESENTED BY MICROFORMS	30		
• NUMBER OF GOVERNMENT DOCUMENT TITLES* REPRESENTED BY MICROFORMS AND NOT ALREADY COUNTED	31		
• TOTAL NUMBER OF PHYSICAL UNITS OF ALL TYPES OF MICROFORMS	32		
MANUSCRIPTS AND ARCHIVES *(IN LINEAR FEET)*	33		
CARTOGRAPHIC MATERIALS, NUMBER OF UNITS	34		
GRAPHIC MATERILS, NUMBER OF UNITS	35		
AUDIO MATERIALS, NUMBER OF TITLES*	36		
FILMS, NUMBER OF TITLES*	37		
VIDEO MATERIALS, NUMBER OF TITLES*	38		
MACHINE-READABLE MATERIALS, NUMBER OF TITLES*	39		
OTHER LIBRARY MATERIALS, NUMBER OF TITLES*	40		

*EXCLUDE DUPLICATE COPIES

NAME OF INSTITUTION	FICE CODE NUMBER

PART V – LIBRARY LOAN TRANSACTIONS, FISCAL YEAR 1985

CATEGORY	LINE NO.	NUMBER
CIRCULATION TRANSACTIONS • GENERAL COLLECTION	41	
• RESERVE COLLECTION	42	
INTERLIBRARY LOANS • PROVIDED TO OTHER LIBRARIES	43	
• RECEIVED FROM OTHER LIBRARIES	44	

PART VI – LIBRARY SERVICE PER TYPICAL WEEK, FALL 1985

CATEGORY	LINE NO.	NUMBER
PUBLIC SERVICE HOURS PER TYPICAL WEEK	45	
TOTAL ATTENDANCE IN LIBRARY PER TYPICAL WEEK	46	
IN-LIBRARY USE OF LIBRARY MATERIALS PER TYPICAL WEEK	47	
TOTAL REFERENCE TRANSACTIONS PER TYPICAL WEEK	48	
TOTAL DIRECTIONAL TRANSACTIONS PER TYPICAL WEEK	49	
INFORMATION SERVICE TO GROUPS • NUMBER OF PRESENTATIONS PER TYPICAL WEEK	50	
• TOTAL NUMBER OF PERSONS SERVED PER TYPICAL WEEK	51	
ONLINE DATABASE SEARCHES PER TYPICAL WEEK	52	

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STATISTICAL DATA
&
INPUT-OUTPUT MEASURES
FOR
COLORADO SPECIAL LIBRARIES
1985

KEITH CURRY LANCE, PROJECT DIRECTOR
LONG RANGE PLANNING FOR LIBRARIES

COLORADO STATE LIBRARY

C O N T E N T S

Foreword 1

Formulas 2

Comparisons of Input-Output Measures for X Public Library and Other Public Special Libraries 4

Budgeting, Planning, and Doing Public Relations with Input-Output Measures for Special Libraries 5

S T A T I S T I C A L D A T A &

I N P U T - - O U T P U T M E A S U R E S

Coding 9

Public 10

Private--Non-Profit 21

Private--For Profit 32

F O R E W O R D

This document reports the results of the Special Library Annual Survey, 1985, conducted in early 1986. It includes both simple statistics and input-output measures for special libraries. The 59 responding libraries are divided into three groups based on their funding status: public, private--non-profit, and private--for profit. The responses are also coded by collection coverage and Regional Library Service System.

Input-output measures permit libraries to compare their resources and performance with those of other libraries, despite the differing sizes of their service populations, staffs, collections, and the like. These measures can be extremely useful for justifying budgets and doing public relations for libraries. They are also the component of the developing Colorado Council for Library Development Long Range Plan which will permit monitoring and assessment of its implementation.

In addition to reporting the data contributed by survey respondents, this document includes an example of how to analyze the figures and a discussion of the implications of such analysis for budgeting, planning, and public relations by special libraries.

Questions, corrections, and comments concerning these statistics and input-output measures are very welcome, and may be directed to Keith Lance, Project Director, Long Range Planning for Libraries, Colorado State Library, 201 E. Colfax, Denver, CO 80203 (866-6737).

F O R M U L A S

I n p u t M e a s u r e s

PRIMARY USERS PER FTE STAFF is

Primary User Population divided by Total Staff in Full-Time Equivalents (FTEs)

STAFF EXPENDITURES PER CAPITA is

Staff Expenditures divided by Primary User Population

TITLES HELD PER CAPITA is

Total Titles Held divided by Primary User Population

ACQUISITION RATE is

Titles Acquired in Year divided by Total Titles Held

MATERIALS EXPENDITURES PER CAPITA is

Materials Expenditures divided by Primary User Population

OTHER EXPENDITURES PER CAPITA is

Other Operating Expenditures divided by Primary User Population

O u t p u t M e a s u r e s

CIRCULATION PER CAPITA is

Weekly Circulation times 50 (weeks) divided by Primary User Population

TURNOVER RATE is

Weekly Circulation times 50 (weeks) divided by Total Titles Held

IN-LIBRARY USE PER CAPITA is

Weekly In-Library Use times 50 (weeks) divided by Primary User Population

FORMULAS--continued

Output Measures--continued

REFERENCE PER CAPITA is

Weekly Reference times 50 (weeks) divided by Primary User Population

DATABASE SEARCHES AS A PERCENT OF REFERENCE is

Weekly Database Searches divided by Weekly Reference

INTERLIBRARY LOANS (ILLs) LENT AS A PERCENT OF ILLS REQUESTED is

ILLs Provided divided by ILLs Requested

ILL REQUESTS AS A PERCENT OF CIRCULATION is

ILLs Requested divided by Weekly Circulation times 50 (weeks)

COMPARISON OF
INPUT--OUTPUT MEASURES FOR
X LIBRARY AND ALL PUBLIC
SPECIAL LIBRARIES

	X Library	Public Special Libraries
INPUT MEASURES		
Primary Users Per FTE Staff	517	1,427
Staff Expenditures Per Capita	$37.73	$134.07
Titles Held Per Capita	2.22	140.19
Acquisition Rate	.07	.04
Materials Expenditures Per Capita	$23.27	$ 55.91
Other Expenditures Per Capita	$ 6.67	$ 29.95
OUTPUT MEASURES		
Circulation Per Capita	2.80	13.03
Turnover Rate	1.26	.52
In-Library Use Per Capita	1.50	2.90
Reference Per Capita	.63	25.12
Database Searches as % Reference	1.16	.05
ILLs Lent as % ILLs Requested	.28	.58
ILL Requests as % Circulation	.58	.03

BUDGETING, PLANNING, AND DOING PUBLIC RELATIONS
WITH INPUT-OUTPUT MEASURES FOR SPECIAL LIBRARIES

At least two general conclusions may be drawn from the input-output measures reported for X Library and other public special libraries:

1. On most input and output measures, X Library compares poorly with all public special libraries.
2. Lower outputs seem to follow from lower inputs.

The size of X Library's staff relative to its primary user population appears to be quite adequate. Its staff serve only about one-third as many users as other public special libraries. The level of staffing at X Library, however, is another matter. Users of that library contribute less than one-third as much to compensate staff as their counterparts at the other libraries. That makes it likely that the staff of X library has less professional training than other public special library staff. This interpretation is supported by the fact that X Library's collection circulates less, is used less by visitors to the library, and is used less by staff to answer reference questions.

The size of X Library's collection relative to its primary user population compares very unfavorably with the size of collections at other public special libraries. It is not difficult to understand how a larger collection failed to develop at X Library, considering that its users contribute less than half as much to purchase

materials as users of the other libraries. The inadquacy of the library's collection is also suggested by the fact that X Library relies much more heavily than the other libraries on interlibrary loan to provide information not available in its collection.

Given these interpretations of this data, what strategies might be used by X Library's director to respond to its circumstances?

Certainly, in defending the library's budget, the relationship between inputs and outputs should be emphasized. Apparently, X agency is getting what it is paying for--or, more to the point, not getting what it is not paying for. The need for greater investments in staff, materials, and general operations is evident.

The lower use made of X Library's collection and its correspondingly higher reliance on interlibrary loan may indicate that the library's director needs to assess its users' information needs and to begin to acquire materials which are more likely to be useful. Conversely, however, the lower figures reported by X Library on collection-related inputs and outputs may indicate a deliberate decision about the library's role.

Many special libraries opt to be access points for information rather than depositories of it. X Library's higher use of database searching in responding to reference questions, its lower proportion of interlibrary loans to requests, and its higher proportion of interlibrary loan requests to local circulation might suggest that

interpretation. That is questionable, however, due to the lower number of reference questions as well as the smaller expenditures on staff and general operations in relation to X Library's primary user population.

At the very least, these figures indicate that X Library's role needs to be clarified. Once that is done, appropriate input-output measures may be targeted for change in the library's plan. For instance, if the library's role is to be an access point for needed information, its plan might include objectives to increase certain inputs--such as staff and other operating expenditures per capita--and outputs--such as reference per capita, database searches as a percent of reference, ILLs lent as a percent of ILLs requested, and ILL requests as a percent of circulation. If the library's role is to be a depository of useful information, the plan might include objectives to increase certain other inputs--such as titles held per capita, acquisition rate, and materials expenditures per capita--and outputs--such as circulation and in-library use per capita and turnover rate.

In addition to their budgeting and planning applications, input-output measures may prove useful in publicizing library services to the user population. In this example, for instance, the fact that X Library reports lower figures on several output measures may indicate nothing more than a need to make library users more aware of the range of information services available to them.

STATISTICAL DATA &
INPUT--OUTPUT MEASURES

C O D I N G

C o l l e c t i o n C o v e r a g e

1 Applied Science & Technology

2 Medicine

3 The Arts

4 Social Sciences & Humanities

5 Business & Finance

6 Religion

7 Law

8 Computers

R L S S (Regional Library Service System)

1 Arkansas Valley

2 Central Colorado

3 High Plains

4 Pathfinder

5 Plains & Peaks

6 Southwest

7 Three Rivers